The
CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2. *Registered as a Newspaper*

No. 2699
VOL. CXV.

OCTOBER 31, 1931

Annual Subscription (with Diary) 20/-. *Single Copies* 9*d.*

J. F. MACFARLAN & Co.

Alkaloids
of every description
Chloroform & Ether
for Anæsthesia
Fine Pharmaceutical Chemicals
Medicinal Resins

TRADE MARK

109 ABBEYHILL, EDINBURGH — 32 BETHNAL GREEN Rd. LONDON, E.I.
Works. ABBEYHILL and NORTHFIELD, EDINBURGH.

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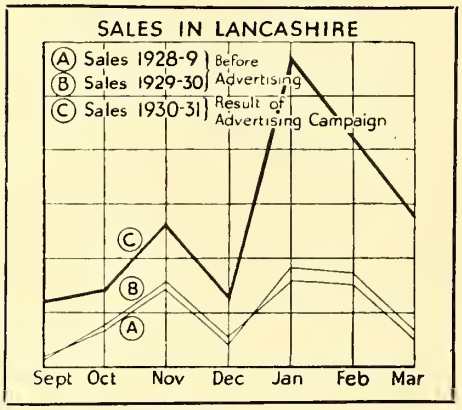
Be ready for a 300% INCREASE IN DEMAND FOR FAMEL SYRUP



(Sold only through Chemists)

Last Winter—
when Famel Syrup was advertised in Lancashire, sales went up **300%** !

This Winter—
The same . . .
all over the Country !

Backed up by Advertisements that will be read by

10,834,000

People almost Weekly.

Some of the Papers used in this great Advertising Campaign:

DAILY MAIL NEWS OF THE WORLD
NEWS-CHRONICLE JOHN BULL
SUNDAY PICTORIAL RADIO TIMES
NURSING MIRROR

FAMEL SYRUP is being advertised **Nationally** this winter. As a test, we applied the scheme in Lancashire last year. Sales soared **300%** ! Now, this year, Chemists all over the country are going to enjoy a similar increase in Famel business.

Famel Syrup is sold only through Chemists. You will get the benefit of the Famel Advertising. Millions of people will see the announcements, and we shall be distributing thousands of samples to sufferers from coughs, colds, bronchitis and catarrh. Once they have tried Famel Syrup they will want more. Are you ready to supply them? *Look to your stocks to-day.* Order supplies through your wholesaler, or direct from Wilcox, Jozeau & Company.

You can "bank" with safety on a big increase. The pulling power of the Advertising has been *proved.*

Famel Syrup

Distributors for Great Britain and the Irish Free State:

WILCOX, JOZEAU & CO. (Foreign Chemists) LTD.

15 Great St. Andrew Street, LONDON, W.C.2

Telephones: Temple Bar 7111 (3 lines). *Telegrams: Physic, Westcent, London*

Read these Testimonials

Cough disappeared

"I thought I would give Famel Syrup a trial and was delighted to find that my cough had disappeared before I had quite finished the bottle.'—C. M. F. (Nurse), Liverpool.

Cough cured

"I received your bottle of Famel Syrup and am pleased to inform you that my cough is cured, and I have tried others, but none to beat yours. I am glad to let you know, and tell many others of your famous syrup."—R. H., Preston, Lancs.

"Recently I had a very bad cold, terminating with an irritating cough (Bronchial Catarrh). I took six doses of Famel Syrup and the cough was cured."—M. F. H., Greenford.

Heals sore throat

"I may say I always use it myself as it heals a sore throat almost by one dose and is a certain cure of most kinds of coughs. It really is a great comfort, and I make my Nurses buy it in all cases of the after effects of a 'flu cough."—I. C. (Matron), London.

No more Asthma

"I have been an invalid for years, suffering from Chronic Bronchitis and Asthma. Since taking your syrup I am hardly coughing at all, and have not had one attack of Asthma."—M. B., of London, S.E.

Important Lactogen selling points

Flaky curds–extra small fat globules make LACTOGEN easy for Baby to digest

2/9 per tin P.A.T.A.

Mothers like to know why Lactogen – the dried milk food—is the better Milk for Baby. Here are one or two facts you can tell them with confidence: Lactogen is pure, fresh, full-cream milk, with extra cream and natural milk sugar added, then made, in all important respects, exactly like breast milk. One Lactogen process modifies the casein of the fresh milk so that it forms a fine flaky curd in Baby's stomach, just as does breast milk. Another process breaks up the fat into very tiny globules, even finer than in breast milk. The Lactogen drying process preserves unchanged the valuable mineral content of the fresh milk.

Lactogen may be given as an alternate feed or as Baby's sole food. Even the most delicate Babies thrive on Lactogen from birth.

"LACTOGEN"
REGD. TRADE MARK
BETTER MILK FOR BABIES

Send to-day for full particulars and terms to Lactogen Bureau (Dept. AZ28), Nestlé and Anglo-Swiss Condensed Milk Co., 6 and 8, Eastcheap, E.C.3.

A A

EVERYTHING The G.E.C. your guarantee ELECTRICAL

GOOD LIGHT MAKES MONEY

GECoRAY

SYSTEM OF SHOP WINDOW LIGHTING

READ THE FIVE YEARS' GUARANTEE

The "GECoRAY" system of Shop Window Lighting uses light to the best possible advantage.

The "GECoRAY" system gives brilliant flood-lighting of your displays at the cost of ordinary lighting.

The "GECoRAY" system of Shop Window Lighting can be arranged to provide beautiful and arresting colour-combinations.

"GECoRAY" Reflectors will suit windows of any shape or size.

OSRAM LAMPS are recommended for use with the "GECoRAY" system of Shop Window Lighting.

Manufacturers (Wholesale only):
THE GENERAL ELECTRIC CO. LTD.
Head Office and Public Showrooms:
MAGNET HOUSE, KINGSWAY, LONDON, W.C.2
Branches throughout Great Britain and in the principal markets of the world.

Write for copy of Folder F5587, "The Ways to Better Shop Lighting," which include, shop interiors, windows, fascia lighting, etc. Sent POST FREE on application.

GUARANTEE

We hereby guarantee for a period of **FIVE YEARS** from date of purchase to replace free of charge any **GECoRAY** reflector that checks peels or tarnishes if used with the lamp specified.

THE SYSTEM WITH THE 5 YEARS GUARANTEE

NO CHANGE

in the prices of

COTY

SPECIALITIES

This decision, taken at the price of considerable sacrifice in view of the depreciated value of the £ and the consequent increased cost of our goods, is, we feel, the right one.

Because of the regard we have for the British Trade and Public, we consider it would be wrong to cause any upset right in the midst of the Christmas business.

WE ARE OUT TO HELP YOU ALL WE CAN—

Come and see our new attractive

CHRISTMAS LINES

also our new

WINDOW DISPLAY DEPARTMENT

The latter will be of considerable help in giving you new ideas for your displays. Model windows have been constructed with the aid of special display sets designed and built in our own workshop. These backgrounds are built to any size window, and loaned for specified periods. Ask the Representative in your area for full particulars.

A cordial welcome will be extended to all callers at "Coty House."

If you have not received a copy of our Christmas Catalogue, please write for one.

Coty (England) Ltd., Coty House, 3, Stratford Place, London. W.1

Telephone: Mayfair 7244-49. Telegrams: Paricoty, Phone, London.

C.F.H. 190

THERE ARE NOW OVER 2,000 Rexall AGENCIES

In Great Britain and Ireland

REXALL CHEMISTS
have the exclusive selling agency for
Rexall Remedies and Puretest Family Medicines

Rexall also offers :—

A Valuable Exclusive Agency; An unexcelled line of products; Co-partnership with over 2,000 British Chemists; Merchandise with a "selling punch" behind it. The best weapon to fight slackness of trade.

After 28 years' of trading, the fundamental principles of this great co-partnership of retail chemists remain in force unchanged and unaltered.

If there is not a Rexall Agent in your area and you would like to have some particulars of this progressive organisation, write to—

UNITED DRUG COMPANY, LTD.,
NOTTINGHAM.

C.F.H.

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"OPIUM MANCHESTER."

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BLACKFRIARS 4682
(2 lines).

Reliable House for all
Pharmaceutical Preparations
and for Personal Service

Concentrated Waters.
Concentrated Infusions.
Essential Oils.

OPIUM
B.P. Tinct. Aqueous Tinct.

Liquid Extracts.
Levigated Ointments.
Syr. Glycerophos. Co.

"Silver Churn" Dairy Specialities
MANCHESTER

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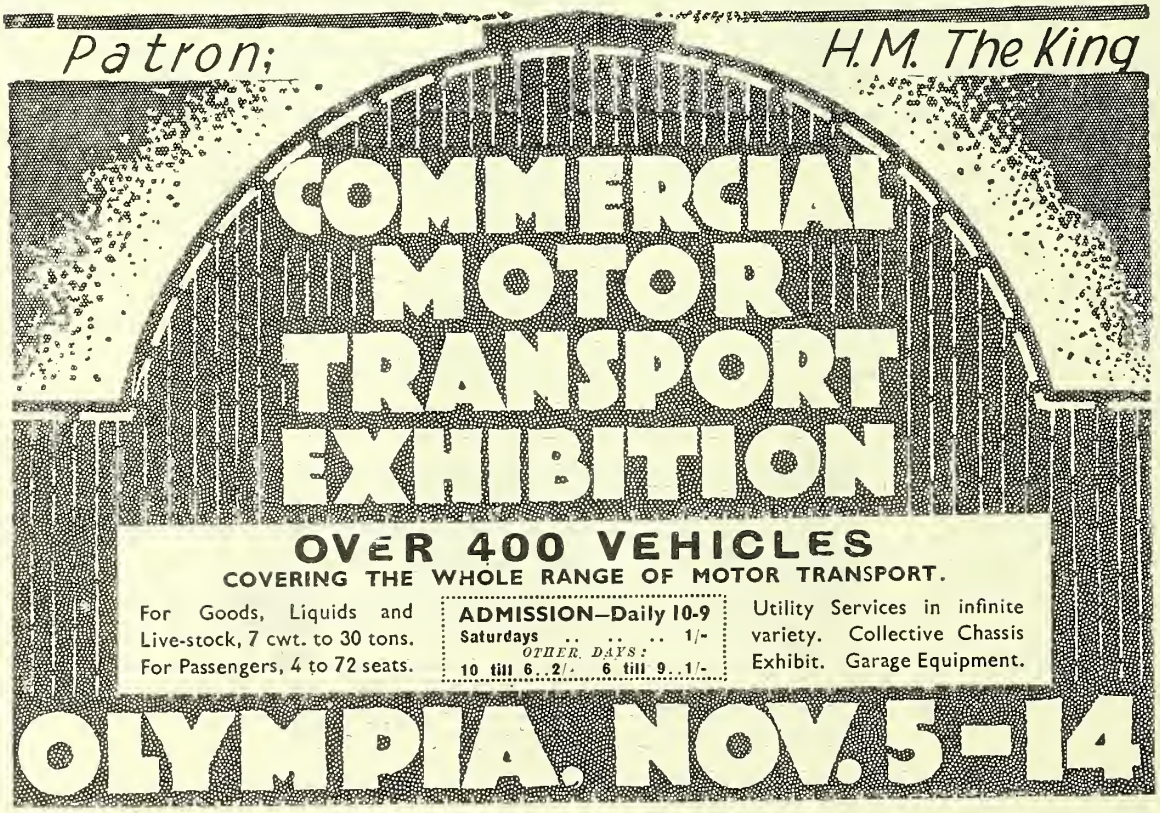
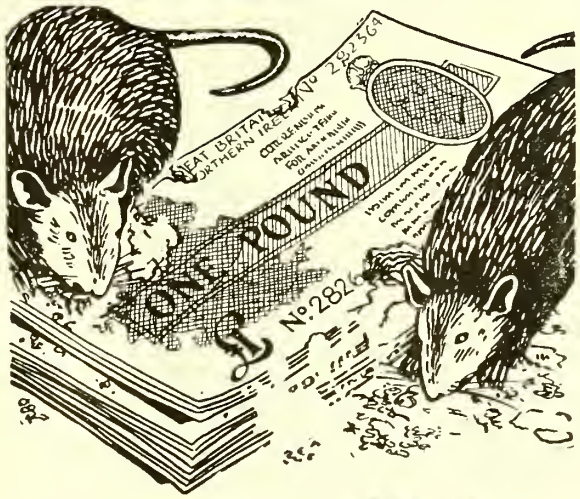




Defend the British £

Every Rodine sale made during

RAT WEEK

helps to keep down rats and to keep the value of the £ up.

The appalling leakage from the Nation's Purse of nearly **£70,000,000** a year, caused by rats, must be stopped.

Rodine gives BEST RESULTS to both customer and Chemist. Get it on best terms from

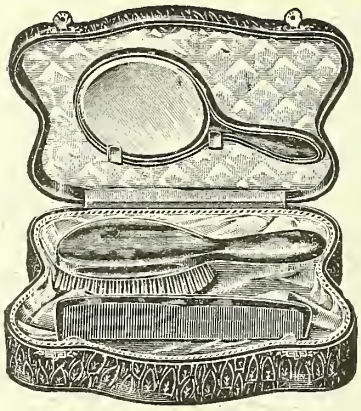
THOMAS HARLEY, M.P.S., Proprietor, Rodine Works, PERTH, Scotland, and

Stop this Loss with

RODINE

WHEN IN TOWN PLEASE VISIT OUR SHOWROOM

ASK FOR OUR BROCHURE "SUGGESTIONS FOR SEASONABLE GIFTS"



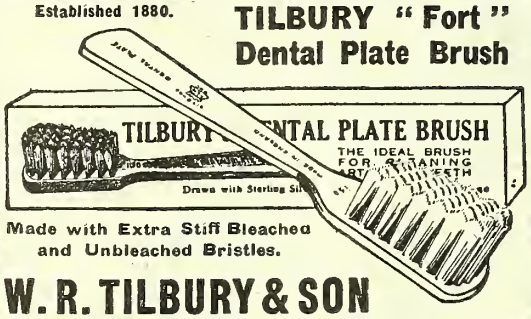
NEWBERYS
FOR
SEASONABLE NOVELTIES
IN
PERFUME SPRAYS, PUFF BOWLS, MANICURE SETS, BRUSH SETS, CUT GLASS, LEATHER GOODS AND ENGLISH POTTERY

"NEWBERYS"
(F. NEWBERY & SONS Lto)

CARDIFF CHARTERHOUSE SQ., LONDON, E.C.1 LIVERPOOL

Established 1880.

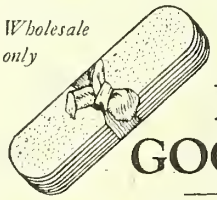
TILBURY "Fort" Dental Plate Brush



Made with Extra Stiff Bleached and Unbleached Bristles.

W. R. TILBURY & SON
47 FRAMPTON PARK ROAD, HACKNEY, LONDON - - - ENGLAND

Wholesale only



BRITISH MANICURE GOODS *that meet Foreign Competition*

We specialise in ORANGE STICKS and EMERY BOARDS. BEST QUALITY. HAND FINISHED.

ROBERT LEE, 14 Calverley Grove N.19

Phone: Archway 2144.

3,000,000 PEOPLE

are being told about the wonderful value of LAUREL razors & blades

Order a stock TO-DAY and make sure you do not disappoint any of YOUR Customers.

ARE YOU READY FOR THE DEMAND?

1½D EACH
Per packet of four 6D

LAUREL SAFETY RAZORS & BLADES

COMPLETE OUTFIT 6D

Geo. H. Lawrence, Ltd., 13 Brunswick Rd., Sheffield

MYATT RAZOR SETS - priced to meet the season's BIG demand

No. 199. Standard model Heavily Plated Razor, Metal Case for Spare Blades and one Myatt Daymark Blade, all in handsome Velvet-lined Leatherette Spring-Lid Case **2/6**

No. 200. Heavily Plated Daymark Razor, Five Daymark Blades, Spare Blade Box, in handsome Velvet-lined Leatherette covered Case. **5/-**

No. 210. Nickel Plated Daymark Razor, Ten Daymark Blades, Spare Blade Box in Velvet-lined Case, heavily plated. **10/6**

No. 215. Best quality Nickel Plated Case with de luxe model Silver Plated Razor. Ten Daymark Blades and Spare Blade Box **21/-**

No. 220. Handsome Goldoid Gift Set, with de luxe model Razor, Ten Daymark Blades and Spare Blade Box in Velvet-lined Goldoid Case **25/-**

BETTER RAZOR SETS at prices the public can afford

This year the big Christmas trade will be done in INEXPENSIVE gifts. Economy is the order of the day. BIG VALUES and LOW PRICES will secure the season's sales.

These new MYATT Razor Sets fill the bill. They are made in England. They represent the utmost that money can buy in value and workmanship. They will sell on appearance alone. They are offered in a range that will make them BEST SELLERS no matter what class of trade you do.

Extensive national advertising has been booked. Place your orders without delay.

MYATT DAYMARK RAZOR SETS

TRADE DISCOUNT 25% showing a Profit of 33 1/3 % on cost.

Sole Manfactrs. : W. J. Myatt & Co. Ltd., Argent Works, Birmingham

ORDER AT ONCE FOR CHRISTMAS TRADE

This winter Listerine advertising will appear in the national newspapers, the leading popular magazines, and the most influential professional journals read by doctors and nurses. Stock up now to meet the increasing demand.

LISTERINE ANTISEPTIC	3 *oz. Size*	**13/-** *doz. Trade Price.*	**1/6** *ea. Retail Price, P.A.T.A.*
	7 *oz.* "	**27/-** " " "	**3/-** " " " "
	14 *oz.* "	**49/6** " " "	**5/6** " " " "

Less **5%** *monthly account. 1 case assorted less extra* **5%**

LISTERINE TOOTH PASTE AND SHAVING CREAM **10/-** *per doz.*

Less **5%** *monthly account. 1 gross less extra* **7½%** *3 gross less extra* **10%**

LISTERINE BRAND ANTISEPTIC

Week by week, month by month all the year round, steady sales are resulting from the National Advertising Campaign on behalf of Listerine Brand Antiseptic. Every spell of bad weather, every epidemic of influenza, brings new customers to ask for Listerine Antiseptic. There is also constantly increasing and daily demand for Listerine Tooth Paste and Shaving Cream

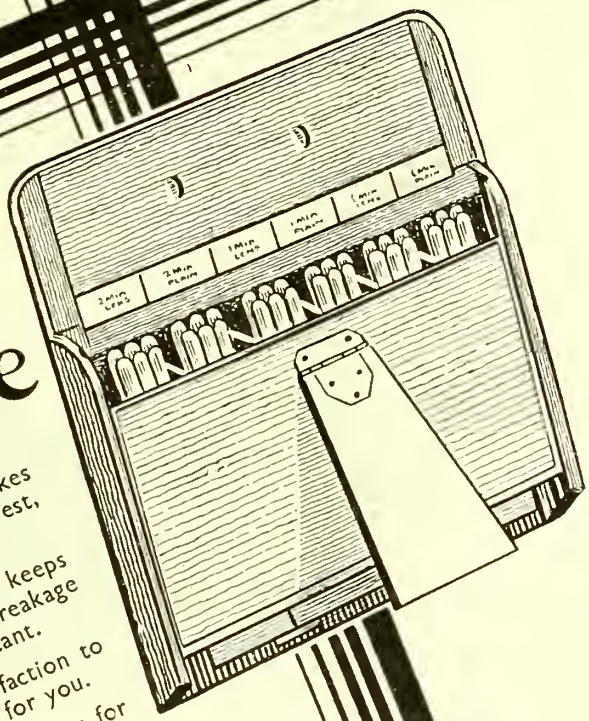
S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

TRADE MARK

SOLE DISTRIBUTORS FOR GT. BRITAIN AND IRELAND

MAW'S

Clinical Display Case



Imagine the impression Maw's Clinical Display case makes on the mind of the customer. It stimulates interest, creates desire, and often completes the sale.

Consider the case from your own point of view. It keeps your clinicals in good order, protects them from breakage and enables you to hand over any clinical in an instant.

Maw's Clinical Display Case means greater satisfaction to your customer and time-saving and more profit for you.

The case is supplied free of charge with initial orders for three dozen clinical thermometers—any selection.

		Ordinary. Per dozen.	Easy Set. Per dozen.
1/4917	Maw's 2-3 min. plain	10/-	11/10
1/4918	Maw's 2-3 min. magnifying	10/6	12/4
1/4919	Maw's 60 sec. plain	11/-	12/10
1/4920	Maw's 60 sec. magnifying	13/-	14/10
1/4921	Maw's 30 sec. plain	12/3	14/1
1/4922	Maw's 30 sec. magnifying	13/9	15/7

The above printed in black and red above normal, extra, per dozen 9d.

N.P.L. Tested, engraved on each, extra, per dozen 3/6

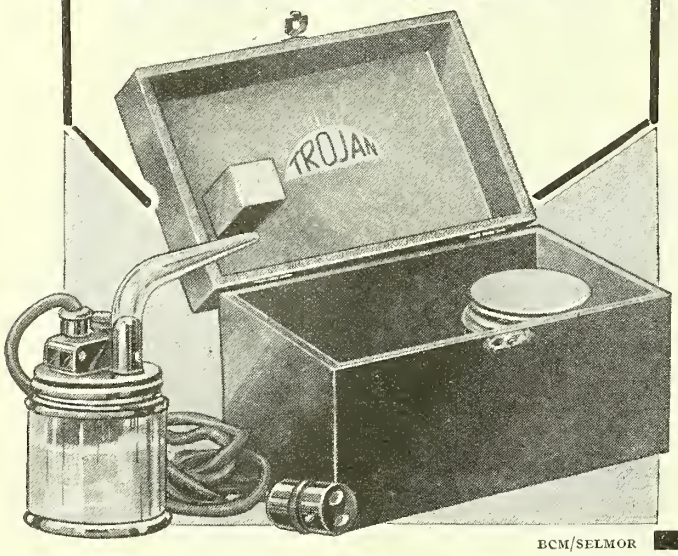
N.P.L. Tested, with certificate, extra, each 1/-

The above are special prices for three dozen quantities only.

S·MAW·SON & SONS·LTD
LONDON & BARNET

TRADE MARK

The TROJAN ELECTRIC INHALER



BCM/SELMOR

— A profitable new line for EVERY Chemist!

The TROJAN ELECTRIC INHALER is a wonderful new invention which is meeting with an amazing reception.

Thousands of people are seeking cures for Colds, Coughs, Influenza, Catarrh, etc. Everybody wants health.

The TROJAN Inhaler offers instant relief to these distressing complaints. It is always ready for immediate use. Just switch on, and in a few seconds a steady stream of special germ destroying vapour is produced, which after a few inhalations instantly relieves the most chronic cold, cough or influenza.

Make a special note to write us for literature NOW—the TROJAN is a really profitable selling line.

JOHN SHAW & SONS WOLVERHAMPTON LTD

(Established 1795).

Head Office and Works: WOLVERHAMPTON.

Telephone: 1001. *Telegrams:* "*Shaw, Wolverhampton.*"

LONDON BRANCH: 29, Shoe Lane, E.C.4.

WINNER STOCKING DYES

Make OLD, FADED or SPLASHED STOCKINGS of any material like NEW again.

Smartly packed in Waxed Tubes and Cartons.

Supplied in 12 Latest Stocking Colours:—Copper Beech, Suntan, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Rose Glow, Smoke Grey, Dago, Gunmetal.

Price **2/-** per dozen. Retail **3d.** per Tube.

Very attractive Display Case free with 1 gross.

Order to-day from:

WHITAKER & CO. (Kendal) LTD.

WINNER HOME DYES

THE FINEST OBTAINABLE for WOOL, SILK, COTTON, etc.

Smartly packed in Waxed Tubes and Cartons.

Supplied in 24 Specially Concentrated Fast Colours:—Black, Navy Blue, Blue, Saxe Blue, Royal Blue, Fawn, Brown, Dark Brown, Nigger Brown, Purple, Lavender, Mauve, Green, Dark Green, Emerald, Red, Pink, Cherry, Old Rose, Grey, Cream, Yellow, Orange, Brick.

Price **2/-** per dozen. Retail **3d.** per Tube.

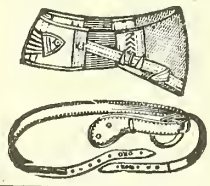
Very attractive Display Case free with 1 gross.

DYE SPECIALISTS for Chemists, KENDAL, ENG.

J. H. HAYWOOD, Ltd.

Surgical Appliance Manufacturers,
Castle Gate, NOTTINGHAM
Telephone: 40488 NOTTINGHAM.
Telegraphic Address: "APPLIANCE, NOTTINGHAM."

Established 1833



SPECIALITIES FOR WINTER.

ELASTIC HOSIERY (Seamed and Seamless), TRUSSES (Spring and Elastic), SUSPENSORY BANDAGES, BRACES, LADIES' AND GENT'S ABDOMINAL BELTS for support and warmth, made in felt, flannel and fleecy.

CHEST PROTECTORS, SLEEPING SOCKS, INDIA-RUBBER AND AIR-PROOF GOODS, NURSING REQUISITES, DRUGGISTS' SUNDRIES, &c.

PRICES ON APPLICATION

NORVIC (REGD.)

BLUE CARTON CRÊPE BANDAGES

The All-British Crêpe Bandage. Guaranteed, durable and exceptionally elastic. Invaluable for varicose veins and wherever warmth and support are needed. Stock and display the "Flesh Colour."

Full 33⅓% profit P.A.T.A.

Showcards free from leading wholesalers.

Sole Manufacturers: GROUT & CO., Ltd., 35 Wood Street, E.C.2.

PERKEN, SON & CO., LTD.

Established 1852.

Contractors to H.M. Government.

THE

"MATER" CLINICAL

REGD.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

Price List on Application.

94 HATTON GARDEN, LONDON, E.C.1

Telephone: 0724 Holborn.
Telegrams: "Optimus, Smith, London."

Xmas Window Posters, Showcards, & Window Decorations

will give that finishing touch to convince the potential buyer that yours are the goods for Christmas presents. Illustrated List, in colours, No. C.N. 1279, showing tickets, posters, window slips, and all decorations applicable to the festive season, free on mention of this journal.

DUDLEY & CO. LTD. 451 HOLLOWAY RD. LONDON, N.7.

City Showrooms—65-66 FORE STREET, E.C.

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Russell Street :: NOTTINGHAM

Telephone No.: 75903 Telegrams: SURGICAL, NOTTM.

RACIAL (REGD.) SOLUBLES

As used at the Clinic for Constructive Birth Control (founded by Dr. MARIE STOPES)

These Solubles, the result of careful investigation, have now been made obtainable by the C.B.C. Society's Committee and the Trade can obtain them direct from

The C.B.C. CLINIC
108 Whitfield Street, LONDON, W.1

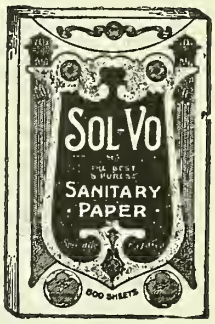
Supplied in not less than complete dozen lots at **10/6**, post paid, **cash with order.** Show card free. Retail price **1/3.**

These pessaries contain no quinine or deleterious matter of any kind.

Only fully qualified Chemists supplied.

SOL-VO SANITARY ROLLS & PACKETS.

SOL-VO
REG.
THE BEST & PUREST
SANITARY PAPER



		per doz.				per doz.
Three dozen Rolls	...	7/-	net.	Three dozen Packets	...	10/- net.
Half gross "	...	6/6	"	Half gross "	...	9/6 "
One gross "	...	6/-	"	One gross "	...	9/- "
Five gross "	...	5/3	"	Five gross "	...	8/3 "

CARRIAGE PAID. CASES FREE.

FORD, SHAPLAND & CO. Ltd.

LABELS & SHOWCARDS — PRINTERS — CARTONS & ENVELOPES.
GT. TURNSTILE, HIGH HOLBORN, LONDON, W.C.1

TELEGRAMS: FORSHAPCO, WESTCENT, LONDON. TELEPHONES: HOLBORN 1695 (3 LINES)

Best sellers
The public is asking for *ZEAL* CLINICAL THERMOMETERS because they are:-
GUARANTEED TO *STAY* ACCURATE
CONSISTENTLY ADVERTISED

We supply no one but Chemists and Druggists with
"SAFEGUARD" Rubber Goods
They are of Highest Quality and Packed Hygienically.
Samples and Prices on application.
BURGE, WARREN & RIDGLEY, LTD.
91/92 GREAT SAFFRON HILL, E.C.1
Phone: Holborn 0050. *Telegrams*: Pessaries, Smith, London.

Forster's "Eldon" Vapouriser
FOR USE WITH NIGHT LIGHT
Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough.
Write for particulars
HALL, FORSTER & CO., Ltd., Newcastle-on-Tyne.

SANITARY TOWELS

made by

The ORIGINAL and Most Popular
The "K." All wool in knitted cover, very soft.
The "CELTEX." Made of Cellulose for easy disposal.
FROM YOUR WHOLESALE HOUSE, PLEASE

SOUTHALLS

AN ACTUAL WINDOW DRESSING OF THE CENTRE PORTION OF A THREE-PANE WINDOW

A fine Display—— A finer Bottle—— A best Seller——

GREY RUBBER POPULAR SIZES.

	10×6	10×8	12×8	12×10
Single	2/6	3/-	3/3	3/9
Dozen	2/5	2/11	3/2	3/8
3 Dozen	2/4	2/10	3/1	3/7

OTHER SIZES

	8×6	12×6	14×8	14×10
Single	2/4	2/9	3/6	4/3
Dozen	2/3	2/8	3/5	4/2
3 Dozen	2/2	2/7	3/4	4/1

RED RUBBER 3d. per bottle extra.

Special prices for 6-dozen and 12-dozen lots.

OWN NAME MOULDED ON THREE DOZEN OR MORE

AYRTON'S Free o' Risk HOT WATER BOTTLE

Guaranteed two years

BURSTPROOF
STEAMPROOF
RED or GREY

with black impermeable lining and **PATENT INGRAM STOPPER**

AYRTON'S LIVERPOOL ENGLAND

Another setting showing the "Star Turn" material fixed very simply to the inner side of the window glass.

Big turnover from "Oambroo" BEER!

The success of "Viggormalt" in a few months has been phenomenal. Everywhere sales of "Viggormalt" are steadily expanding, due in principal to the splendid Beer obtainable from this unique preparation.

VIGGORMALT

IS IN BIG DEMAND

Never before has the public been able to purchase anything like "Viggormalt"; pure concentrated extract of Malt and Hops which produces fine "OAMBROO" Beer (ALE or STOUT) of a flavour beyond comparison with that obtainable from any preparation of a like nature. An introduction of "Viggormalt" to your customers is certain to be followed by repeat orders. Stock "Viggormalt" now!

"Viggormalt" will continue to be vigorously advertised. Obtain full trade information now.

Send the Conpon below.

NO MILLING MASHING BOILING or FILTERING

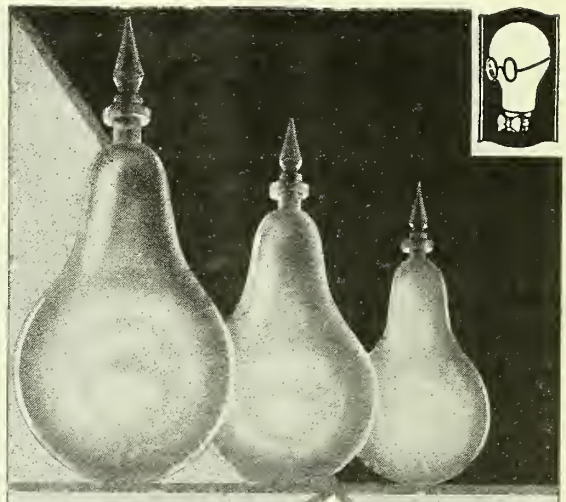
To VIGGORMALT, LTD.,
Davigdor Road,
Hove, Sussex *Date*.....

Please send full trade particulars concerning "VIGGORMALT."

Name .....

Address .....

.....[C.D.31]



LIGHTS OLD and NEW

THE old symbolic coloured lights survive here and there, but the modern Chemist is alive to the selling value of *abundant* and *glareless* light and insists upon using—

S.B. 187

COSMOS Pearl LAMPS

METROPOLITAN-VICKERS ELECTRICAL CO., LTD.
Trafford Park, MANCHESTER.

The Romance of Empire Drugs (14)

Weighing Sandalwood Billets in a forest sale depot (Koti)

Alyson Minchin Esq. I.F.S. (Copyright)

SANDALWOOD, *Santalum album L. Fam. Santalaceae* obtained from a tree indigenous to Southern India and the Eastern Archipelago, has been used in India since time immemorial. Known in Sanskrit as Chandana, its first record is found in the Nirukta, the oldest of the sacred books of the vedic religion, written about the 5th century B.C. The wood is stated to have been introduced to Europe in the eleventh century, quickly being recognised as one of the most precious aromatics of the East. It has always played an important part in Indian religious ritual, being employed in embalming, in funereal pyres and in the construction of temples—an example of the latter exists in the famous gates of Somnath, said to be 1,000 years old.

Sandalwood has formed an important industry in India, particularly in the State of Mysore and the Madras Presidency. The Government monopoly which still exists in the former State no longer obtains in Madras.

SANDALWOOD

INDIA

Stafford Allen's

were the first to distil Sandalwood in England, probably in Europe, and after a century of experience in the production of Santal Oil, they are able to offer a product superior in aroma to that distilled in the East—it answers all pharmaceutical requirements, and is the oil *par excellence* for perfumery.

Until the War the wood was almost entirely exported to Europe as such, but distillation of the oil, the valuable aromatic principle, is now being undertaken locally.

After uprooting the tree (which is a parasite growing from 5 to 15 feet), the bark is stripped off and a portion of the sapwood removed. The trunks are then transported to "Kotis" depots, where they are sawn into pieces and stored ready for distillation or shipment.

Possessing an exquisite fragrance, Sandalwood is invaluable in perfumery. It formerly found a definite place medicinally, but its use here has recently declined.

True East Indian Sandalwood must be carefully distinguished from other woods erroneously called by the same name, such as Australian Sandalwood (from *Fusanus spicatus* R. Br. Fam. *Santalaceae* and Venezuelan or West Indian Sandalwood (from *Amyris balsamifera* L. Fam. *Burseracae*)

Wholesale Trade only

STAFFORD ALLEN & SONS LTD.

COWPER STREET, LONDON, E.C.2

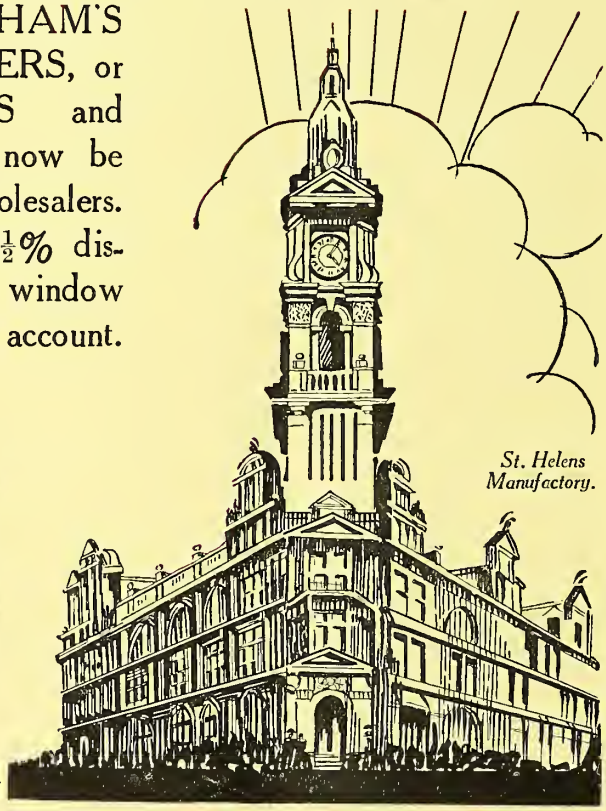
MANUFACTURING CHEMISTS ESTABLISHED 1833 ESSENTIAL OIL DISTILLERS

TWO DAILY SELLERS

£2 PARCELS NOW AVAILABLE

CHEMISTS and Druggists should note that **£2** parcels for either BEECHAM'S PILLS or BEECHAM'S POWDERS, or assorted BEECHAM'S PILLS and BEECHAM'S POWDERS, can now be obtained direct or through their wholesalers. These **£2** parcels carry the usual 2½% discount and a further 5% discount for window display— carriage paid—Monthly account.

BEECHAM'S PILLS
BEECHAM'S POWDERS



St. Helens Manufactory.

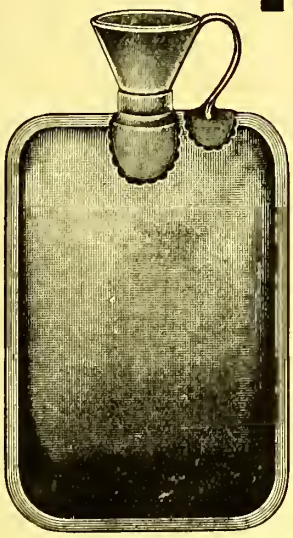
NOTICE—ALL ORDERS FOR BEECHAM'S PILLS AND BEECHAM'S POWDERS SHOULD BE ADDRESSED TO

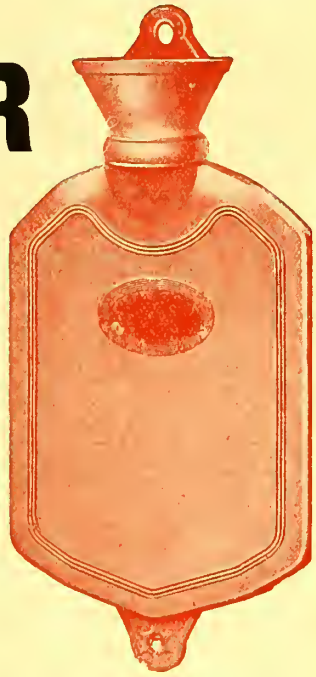
BEECHAMS PILLS LTD.

ST. HELENS, LANCS.

Telephone: 1230 St. Helens *Telegrams: Beecham St. Helens.*

HOT WATER BOTTLES





BEST BRITISH MANUFACTURE

INDIA RUBBER

BEST BRITISH MAKE

GREY Per doz.	RED Per doz.	Size	COVERS Velour Per doz.	COVERS Fleecy Per doz.
33/9	36/3	10 × 8	10/6	6/–
37/–	39/6	12 × 8	12/6	6/9
43/–	46/–	12 × 10	14/6	8/–

MOULDED RUBBER

BEST BRITISH MAKE
Each in Envelope
Red, Blue, Green or Jazz

Per doz.	Size	COVERS Velour Per doz.	COVERS Fleecy Per doz.
24/–	10 × 7	9/–	5/9
26/–	12 × 8	10/6	6/3

Colours for Velour Covers—
GREY. LEMON. MAUVE. PALE GREEN. PALE BLUE.
ROYAL BLUE. SAXE BLUE. PINK. ROSE. SCARLET.

Colours for Fleecy Covers—
PALE BLUE. SAXE BLUE. GREY. PINK.

ALUMINIUM

Round, Corrugated, 2 pint size - per doz. 10/6

COVERS FOR ABOVE

Velour, assorted colours - - - per doz. 9/3

3 dozen assorted, *less* 2½%. 6 dozen assorted, *less* 5%.

BUTLER & CRISPE

J. H. CRISPE L. H. CRISPE R. P. GOWER

Cables and Marconigrams: "ALLUWANT, LONDON." Telephone: CLERKENWELL 2661 (Private Branch Exchange). Telegraphic Address: "ALLUWANT, SMITH, LONDON."

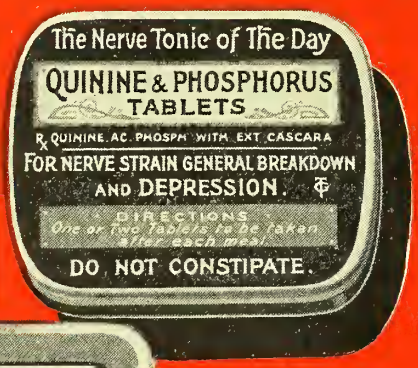
IMPORTERS, EXPORTERS AND DISTRIBUTORS

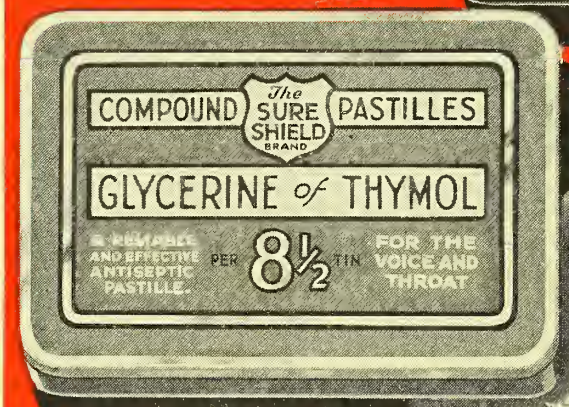
English and Foreign Proprietary Medicines, Perfumery, Toilet Goods, Druggists' Sundries

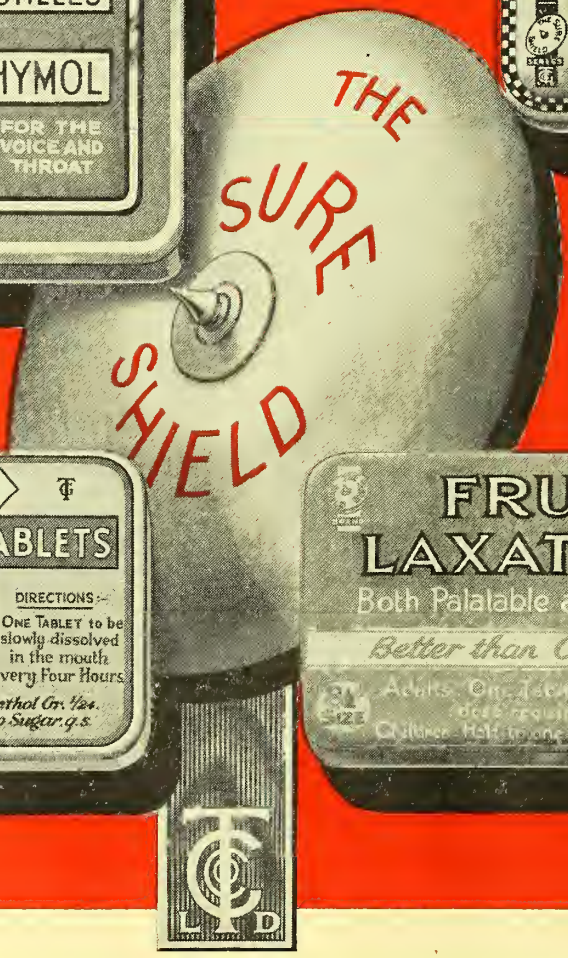
80-84 CLERKENWELL ROAD, LONDON, E.C.1

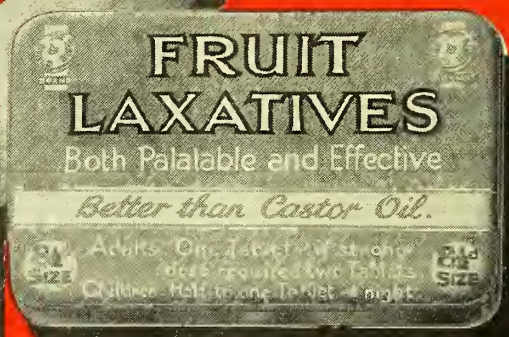
"SURE SHIELD" PRODUCTS

A popular price Series









THOS. GUEST & CO. LTD.
Manufacturing Chemists
CARRUTHERS ST., MANCHESTER
London Depot, 1, Swan St., Minories

Craftsmanship

Backed by a spirit of adventure and experience enables the navigator to set his course through the uncharted seas ahead. These same qualities are also embodied in the production of Pharmaceutical Products by Barrett Proprietaries

BY THIS SIGN B.P. LIMITED ARE WE KNOWN

Barrett Proprietaries Limited

MANUFACTURING CHEMISTS
OLD MILL STREET, BROOKHOUSE
BLACKBURN

BRITISH PHARMACEUTICALS OF HIGHEST POSSIBLE MERIT

CONTAINERS OF QUALITY

Skilled craftsmen in our four Factories are at work, day after day, and regularly — by hand or machine — manufacture thousands upon thousands of glass containers of every kind.

Our annealing lehrs send forth a steady stream of bottles destined to reach all corners of the earth.

Good, well-made, super-strong bottles of quality and of distinctive design.

Wise buyers realise that a good container makes all the difference to the finished product—that is why they specify the best British Bottles and regularly order from us.

Whatever your requirements may be we shall be pleased to quote. We can offer many new and distinctly attractive shapes and can guarantee prompt delivery.

If it's a glass container, ask us to quote.

WHOLESALE ENQUIRIES ONLY.

LAX and SHAW LIMITED

Buy British Bottles

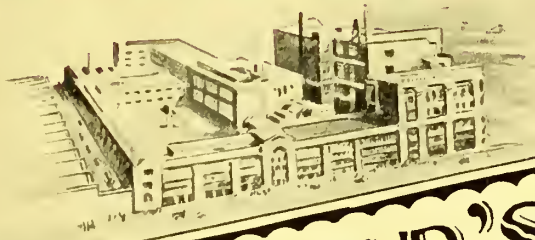
Regd. Office : ALBERT GLASS WORKS, HUNSLET, LEEDS

4 Factories : "Albert," "Belinda," "Clarence," and "Denisthorpe."

Telephone : Leeds 21568 (2 lines). *Telegrams : "Feeders, Phone, Leeds.*

Potter & Clarke

LIMITED



POTTER'S CATARRH PASTILLES

Potter's Catarrh Pastilles are of outstanding merit. They have captured the approval of the public and there is good business and profit for you in stocking this line.

P.A.T.A. 1/3 11/- doz.

In boxes of ½ Dozens.

Phones: Bishopsgate 4761, (5 LINES). Grams: Horehound, 'Phone, London.

60-64 ARTILLERY LANE, LONDON, E.1.

MANCHESTER: 24 Luna St., Gt. ANCOATS.

for **STOMACH LIVER & BLOOD**

BOUNDING HEALTH—*JOIE DE VIVRE*

SHADFORTH PRESCRIPTIONS SOLD EVERYWHERE

7½

Printed in 4 Colours Size 20 by 25

WE ARE SWITCHING OUR MAIL ORDER TRADE OVER TO THE RETAIL CHEMIST

LARGER SIZES **1/1 & 2/-**

THIS POSTER WILL HELP YOUR SALES

We are telling the Public that any Chemist can supply Shadforth Prescriptions at short notice

PRICES ARE PROTECTED, PROFITS GOOD

Send post card for Trade Terms and open up a profitable connection

Shadforth Prescription Service Ltd.

Governing Director: Mr. WILLIAM SHADFORTH, Pharmaceutical Chemist

63 Grove Road, Bow, London, E.3

IMPORTANT ANNOUNCEMENT

re

Frozoclone

REGD.

THE ORIGINAL SOLID EAU-DE-COLOGNE

Frozoclone has now been on the market for twenty years, and has always been British owned and of British manufacture. Whilst there have been many imitations, it is an admitted fact that Frozoclone is in a class by itself.

The popularity of Frozoclone is due to its unique and unchanging quality, and also to the personal co-operation and recommendation of the pharmacist.

In order to strengthen still further this association with the retail chemist, the proprietor has decided to reduce the wholesale prices of Frozoclone, and thus increase the retailers' profit.

There will be no alteration in either quality, quantity or method of packing, and the present retail prices will remain in force.

R. Demuth

New Schedule of Prices.

Operative as from December 1st, 1931.

	Retail Price	Wholesale Price
Large Size	3/6 ea.	28/- per doz.
Small Size	2/- ea.	16/- per doz.

Artistic Showmatter on application.

N.B. On each 3/6 tube of FROZOCLONE the chemists' profit is 1/2. On each 2/- tube of FROZOCLONE the chemists' profit is 8d.

IONONE 100%

White, Tomkins & Courage Ltd.

REIGATE

REI GATE
REGISTERED TRADE MARK

THE NEW

WATTS-SERVICE SAFETY RAZOR

Holder and Two Thick Hollow Ground Blades in box **5/-**

Super Sets from **12/6 to 42/-**

The last word in SAFETY RAZORS with Hollow Ground Heavy Stainless Steel Blade & Rustless Holder.

Automatically fixed positive shaving angle for each edge. Only two parts. Rustless in any climate

Assembled or dissembled by a turn of the thumb-nut. All troublesome wiping and cleaning eliminated, merely rinse and shake dry.

MANUFACTURED BY

JOHN WATTS (Sheffield and London) LTD.

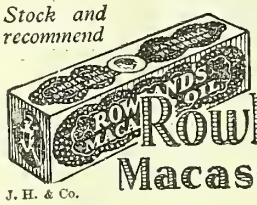
Lambert Works, Sheffield, England.

London Office and Showroom: 18 Soho Square, W.1

Selling Suggestions

Rowland's Macassar Oil keeps the hair naturally immaculate, for it controls the hair simply by making it soft and flexible.

Stock and recommend

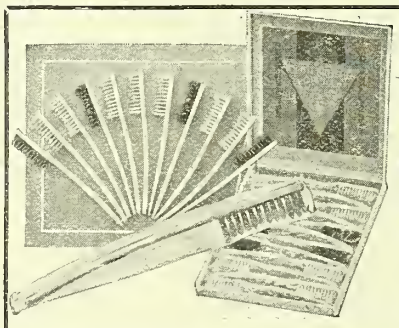


Of all Wholesalers, to retail at 3/6, 7/- and 10/6.

Rowland's Macassar Oil

J. H. & Co.

A. ROWLAND & SONS, Ltd., 22 Laystall St., Rosebery Avenue, London, E.C.1



THE

"STATIC" TOOTH BRUSH

BONE HANDLES WHITE, UNBLEACHED, OR BLACK BRISTLES

Names free on 6 doz. lots.

6/6 per doz.

From all wholesalers

MANUFACTURERS:

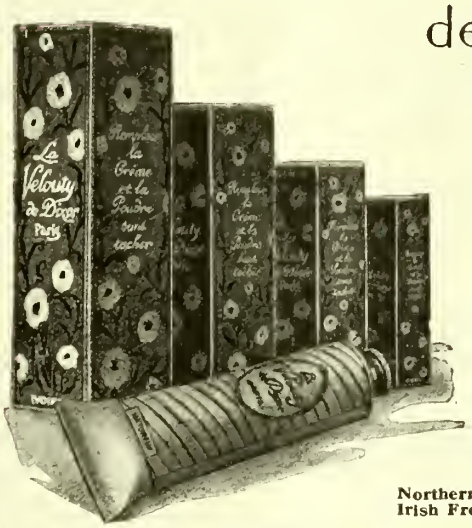
W. R. SPEER & SON, 215 Dalston Lane, E.8.

Est. 100 Years.

the original combined Cream and Powder

la VELOUTY

de DIXOR Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES:—No. 1. Handbag tube	3/-	doz.	Retail	-/4½
No. 2. Small tube	4/-	,,	,,	-/6
No. 3. Medium tube	7/-	,,	,,	1/-
No. 4. Large tube	14/-	,,	,,	2/-
No. 5. Super tube	22/-	,,	,,	3/-
Pots	21/-	,,	,,	2/9

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents:

DEBACQ & HARROP,

68 Newman Street, Oxford Street, London, W.1.

Sole Distributors for

Northern Ireland: ROBERT MAYRS & CO., 43 Chichester Street, BELFAST

Irish Free State: MAY, ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

If its Customers you want

YOU SHOULD STOCK

PETAL DUST

"Wherein the subtle savour of the Flowers sublimely dwells."

THE GREAT FLORAL AIR PURIFIER

A TRIAL WILL CONVINCE YOU THAT——

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

RETAILS IN PACKETS AT 4d. AND 8d. EACH.

Attractive Advertising matter free on request.

Obtainable through all the usual Wholesale Houses or from Sole Producers :—

THE ROSMARINE MANUFACTURING CO.

LONDON, S.E.1

IT'S BRITISH

THROUGH & THROUGH

British, and the best

Protect your trade by protecting the customer. Sell Nuctone exclusively for recolouring of hair.

Keep British money in the Country

Nuctone

***SAFE* FOR GREY HAIR**

The Brushes are made in nine models, retailing from 3/6 to 18/6, all subject to generous discounts giving you a substantial living profit. Can be supplied through your usual wholesaler.

THE "*MASON PEARSON*" is the only *PERFECT* Hair-brush made and sold today; the reason being that the *only* perfect hair-brushing material—*the black unbleached bristle of the Wild Boar*—is used in its making.

There is no disputing the fact that the "*MASON PEARSON*" brushes much more quickly than *ANY OTHER* brush; it brushes more efficiently; it cleanses the scalp more gently and thoroughly; it improves the general attractiveness of the Hair, and keeps it at its best. *No hair-brush can do more than this.*

By selling the "*MASON PEARSON*" Hair-Brush you enhance your own professional reputation through its good qualities.

MASON PEARSON
HAIR-BRUSH

MASON PEARSON SELLING AGENCY LTD. • • • 59 NEW OXFORD STREET, LONDON, W.C.1

Medical, Surgical and Scientific.

Wholesale and Export only.
Inquiries invited.

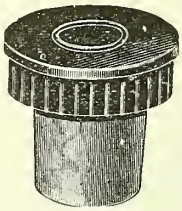
★★★

BRITISH MADE
GLASSWARE
FOR ALL DRUGGISTS' SUNDRIESMEN

NIPPLE SHIELDS, IRRIGATORS,
Eye & Nasal Douches, Syringes & Surgical Glass Instruments.

POULTEN, SELFE & LEE Ltd.
Harley Street, Bow Road, London, E.3.
'Phone: East 6332, 6333.

STOPPERS



200 *Varieties*
Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.

T. WEBSTER & Co., Ltd. *Telephone: Mountview 0952*
Diamine House, Middle Lane, Hornsey, LONDON, N.8

THE WORLD'S FINEST RAZOR BLADE

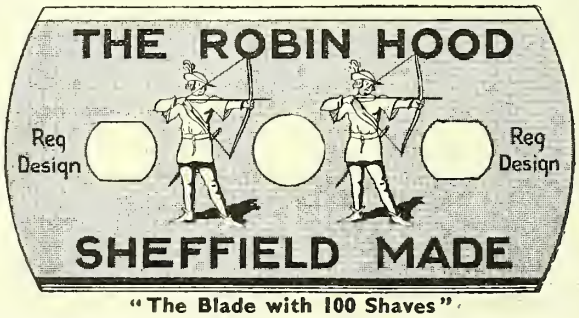
"THE BEST OF THE LOT"

The Edge of every Blade Guaranteed

It Sells Itself.

High Class Display Cards

In Demand Everywhere



"The Blade with 100 Shaves"

Retails at
$1\frac{1}{2}$d. each
or 4 for 6d.

Exceptional Profits

Made by
BROOKS, HAYWOOD & CO., LTD.,
Shiloh Works, Sheffield
England.

CUTEX BONUS OFFER

The CUTEX BONUS OFFER as detailed in the Broadsheet sent to each and every Chemist in the British Isles on October 1st was to the effect that:—

With an assorted order—including Christmas Gift Sets—to the value of **50/-** there is in addition to the Display allowance of 5% a bonus of:—

2 only, No. 16 2/6 COMPACT SETS
1 only, No. 19 5/- FIVE MINUTE SETS

VALUE ***10/-*** *FREE*

With an assortment of **100/-** in value there is in addition to Display Allowance of 7½%

4 only, No. 16 2/6 COMPACT SETS
2 only, No. 19 5/- FIVE MINUTE SETS

VALUE ***20/-*** *FREE*

THUS GIVING AN **EXTRA** 20% SELLING VALUE.

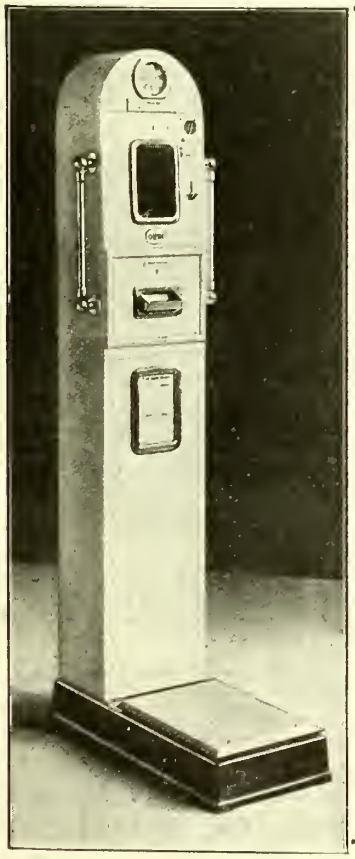
THIS SPECIAL OFFER IS NOW OPEN TILL NOVEMBER 16th.

Make up your order from the P.A.T.A. list or, if the Illustrated Cutex Broadsheet has been mislaid, a special order form will be freely sent on application. *Post your order before November 16th.*

NOVEMBER 16
1931

SOLE SELLING AGENTS AND DISTRIBUTORS:

J. C. GAMBLES & CO., LTD.
211, 215 BLACKFRIARS ROAD, LONDON, S.E.1



This will interest you!

A TICKET ISSUING
PERSONAL WEIGHING MACHINE

at a quarter the price of the most expensive, and half the price of the cheapest ticket printing weigher on the market.

HEIGHT 4′ 11″ **BASE 24″×12″**

Please write for particulars:

AUTOWAY COMPANY
13 Wellington Street, GLASGOW

London: **51 Farringdon Road, E.C.1**
Manchester: **172 Chapel Street**

To **AUTOWAY CO., 13 Wellington Street, GLASGOW.**
Please send details of Personal Weighing Machine issuing tickets with printed weight and Pharmacy advertisements.

Name.....

Address.....

.....

We have made our plans for increasing D. & P. WORK during the winter months —HAVE YOU?

PHONE Dept. A, CENTRAL 5335-6

PHOTOPRESS LTD.

MANY SUCCESSES IN THE EXAMINATIONS
Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Personal tuition in the practical work is a distinctive feature. Students can avail themselves of the practical classes held during examination times when they are in London.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

C. A. SCURR M.P.S. F.S.M.C., F.B.O.A. F.N.A.O., B.Sc. F.I.O. F.C.O.
50 HIGH STREET, BARNET, LONDON, N.

Liverpool School of Pharmacy

Principal: H. HUMPHREYS JONES, F.I.C., F.C.S., Ph.C.

Jan 6. 6 months' full time course for Part I.

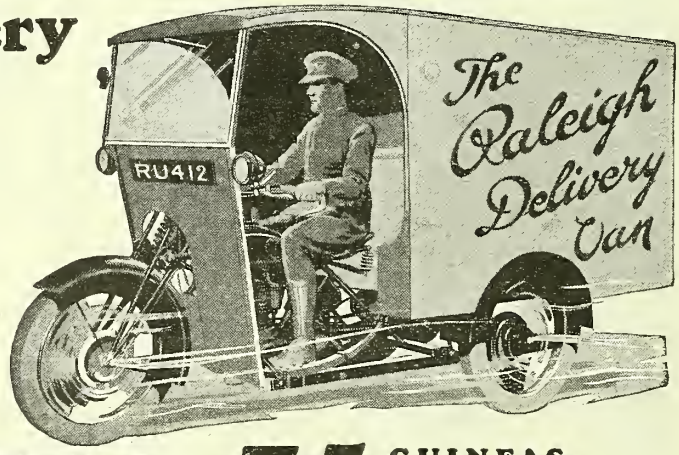
3 months' revision course for Part I.

BOOKINGS FOR THE 1932—1933 SESSION, PARTS I & II, ARE NOW PROCEEDING

FULL PARTICULARS FROM THE PRINCIPAL,
2 BLACKBURNE PLACE, LIVERPOOL

Every Chemist can now afford Motor Delivery

A 5-cwt. Motor Van for 75 GNS.!



Rapid delivery is essential—but what does motor transport cost? This wonderful Raleigh achievement has made it possible for you to have all the advantages of a motor van at HALF the usual cost. It can be driven by a lad of 16 and in initial price, tax, insurance, maintenance and every other item it is a revelation in economy. Make a great all-round saving and expand your business with the—

RALEIGH DELIVERY VAN

DEMONSTRATIONS ARRANGED FREE ANYWHERE

Send for list C.D. 4 giving full details of the cheapest delivery proposition ever offered.

THE RALEIGH CYCLE CO., LD., NOTTINGHAM

75 GUINEAS (ex works) or £19 13 9 deposit and 12 monthly payments of £5 19 10.

Greater cubic capacity than any other 5-cwt. vehicle. Fitted with differential rear axle, reverse gear, etc., and fully equipped with electric lighting, screen wiper and horn.

TAX ONLY £4
Full Insurance £7 10
60 m.p.g. of petrol

Keep a Good Stock of These Pre-eminent Hair Toilet Preparations

HARLENE Hair Toilet Preparations are Pre-eminent for their Quality and Efficacy. And the Public are told this week after week in millions of copies of the biggest National Newspapers in the country. By a forceful and regular extensive Advertising Campaign HARLENE Preparations are always kept right in the public eye, and the Public BUYS. Therefore it behoves YOU to keep a good stock of these popular Hair Toilet Requisites always on hand. Among the HARLENE range the most Popular are

"Harlene"
HAIR GROWER & TONIC

"CREMEX" Shampoo Powders

"UZON"
Brilliantine

"HARLENE"
Wave - Setting Lotion

"ASTOL"
For Grey Hair

"HARLENE"
Hair Fixative

NOTE

Terms to the Trade are Generous, and you know that when you stock Harlene Preparations they are never left "on the shelf."

Please address all communications to the Company as under.

NOTE

EDWARDS HARLENE, LTD.
20-26 Lamb's Conduit St., London, W.C.

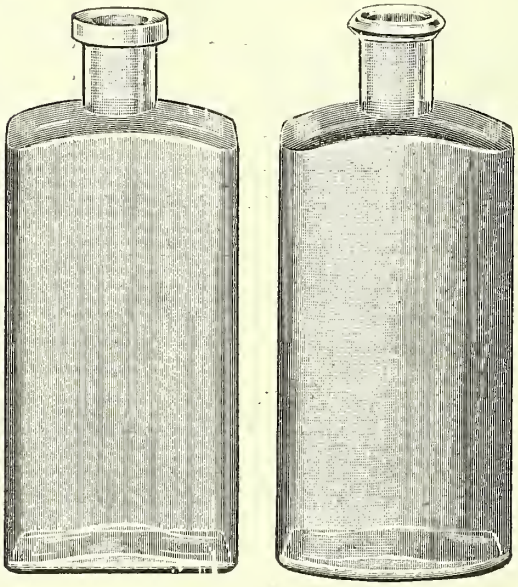
Beatson, Clark & Co.

LIMITED

Chemical & Medical Glass Manufacturers

ROTHERHAM, YORKS

The Chemists who are doing the business are the Chemists who turn the work out well.



Round Cornered Flat — Oval Fronted Flat

There is no better help than a smoothly finished, bright, attractive bottle.

TRY THE NO. 2 WHITE QUALITY

REASONABLE IN PRICE
SATISFACTORY in FINISH

Telegrams: BEATSON, ROTHERHAM. *'Phone:* No. 88, ROTHERHAM.

ESTABLISHED 1751

NO MORE SOILED NAPKINS

what mother could resist this appeal?

INTENSIVE advertising is telling mothers about "Knapee," the new pad which, after acting as a lining to Baby's napkin, is easily destroyed, leaving the napkin clean and obviating hours of washing. The appeal has been amazingly successful . . . are you showing "Knapee" to *YOUR* customers?

The inter- **"Knapee"**

Retail price **7½d.** *for 24. From your wholesaler, or DEPERE CO., Whitehall House, Whitehall, S.W.1. Write for literature and terms.*

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

SIR NYNES WILL BE ASKED FOR!

If you are not a stockist of "Sir Nynes" you are missing a very profitable line. They're wonderful value and they're being **Nationally advertised.**

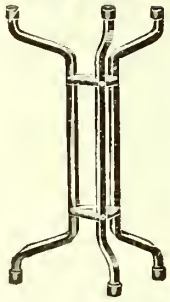
There's always a sale for a pure confection which gives relief to the chest, throat and lungs—and "Sir Nynes" do this instantaneously.

THE SHERWOOD Confectionery Co.
Forest Works, WORKSOP

KING'S
FOR SHOPFITTINGS

Ref. No. H2108.
SOLID OAK
POLISHED PEDESTAL

Size	Price per doz.	Size	Price per doz
6″	9/6	18″	15/6
9″	10/6	24″	17/6
12″	12/0	30″	20/0
15″	13/6		

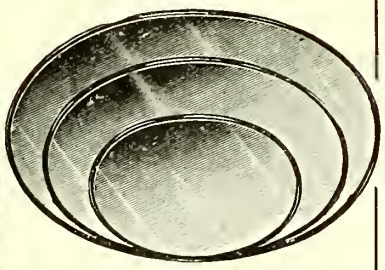


Ref. No. H410a
NEW PATTERN Square Section METAL DISPLAY PEDESTALS. Fitted Rubber Studs at top and bottom. Brown bronze finish. Assorted sizes: 8″, 10″, 12″, 14″ high. **24/0** doz.

J. C. KING'S "SUNRAY" METAL DISPLAY PEDESTAL
An entirely original design. This Pedestal will be found most effective for modern displays. Supplied finished in Gilt, Silver, Oxidised, or Mottled Brown

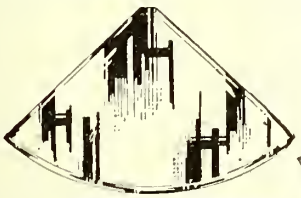
Size	Price, each	Size	Price, each
9″	3/9	18″	6/9
12″	4/6	21″	9/0
15″	6/0	24″	10/6

No. 9010
SHELF GRIP FOR GLASS CORNER SHELVES
1/6 each **15/0** doz.
No. 9007. BRASS SASH SOCKETS for above, **1/3** doz.



FIRST QUALITY GLASS OVALS
No. OK256 ¼″ Thick Polished Edges

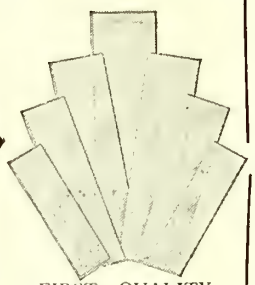
Size	Price, each	Size	Price each
9″ × 5″	1/4	16″ × 10″	2/8
12″ × 9″	1/6	18″ × 12″	2/10
14″ × 10″	2/2	20″ × 15″	3/6
16″ × 9″	2/6	24″ × 18″	5/4
		30″ × 20″	10/6



CORNER GLASS SHELVES
No. OK355.
¼″ thick. Polished Edges.

Size	Price per doz.	Size	Price per doz
8″ × 8″	18/0	10″ × 10″	24/0

For prices of brackets and sockets see above.



FIRST QUALITY GLASS SHELVES
¼″ thick. No. M436.

Size	Price each	Size	Price each
24″ × 6″	2/6	30″ × 10″	3/6
30″ × 6″	2/9	36″ × 10″	4/6
36″ × 6″	3/0	42″ × 10″	5/6
30″ × 8″	3/6	30″ × 12″	4/0
36″ × 8″	4/0	36″ × 12″	5/0
42″ × 8″	5/0	42″ × 12″	7/0

FREE
OUR NEW CATALOGUE No. **1013** WILL BE SENT POST FREE ON APPLICATION

J. C. KING, LTD.
42-60 Goswell Road, London, E.C.1
Phones: CLERKENWELL 2316 (6 lines)

Marked Superiority

The response to the appeal to "Buy British" is bound to be widespread and enduring. That is why it is good business to push National Mark products.

National Mark Malt Extract with cod liver oil is manufactured from the finest home-grown barley and pure cod liver oil on premises subject to Government inspection.

It is guaranteed to be of a uniformly high standard of quality and of standardised content in its principal constituents. It must contain not less than 5% soluble protein, be of at least 1·4 specific gravity, thereby ensuring a high proportion of carbohydrates, include 15% cod liver oil and have as a minimum 25 Lintner diastatic activity, thus conserving the valuable accessory food factors.

It is certain to give satisfaction to your customers, to increase your sales and to improve the reputation of your business.

National Mark Malt Extract is markedly superior to cheaper imported brands of malt extract with varying constituents which make accurate prescription impossible.

National Mark commodities are nationally advertised and widely recognised as home produce of dependable quality.

Stock and Sell

NATIONAL MARK
MALT EXTRACT WITH COD LIVER OIL

Attractive shop window display material is supplied free of charge by the Ministry of Agriculture & Fisheries

ISSUED BY THE MINISTRY OF AGRICULTURE AND FISHERIES

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
CHEMICALS FOR ALL INDUSTRIES.

'Phone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London"
A. LEVERMORE & CO. LTD. ABC Codes.
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

FRED^K. FINK & CO.
10 & 11 MINCING LANE, LONDON, E.C.3.
TEL.: ROYAL 5094.
GUMS, ARABIC and TRAGACANTH as Imported or Finely Powdered. :: SHELLACS ALL GRADES.

A PERMANENT SALESMAN
INSIDE YOUR WINDOW! **Prov. Patent No. 25235**

A "Sales Aid" which should be of special interest to Chemists and Druggists, as it enables them to bring to the notice of the passer-by any special feature they may desire to advertise, either by day or night. This sign is an optical illusion, and appears to be turning round for ever as long as the electric light is switched on. Being illuminated, and showing an attractive blend of colours, it is bound to attract the passer-by. Any short advertising message will be pasted on the globe at an inclusive cost of £2 7s. 6d., or 10s. 6d. down and balance in five monthly instalments of 10s. 6d. Additional letters 1s. per dozen.

For full particulars apply:
Dept. C., J. FABIAN, LTD., 25 Cowper Street, E.C.2.
(Nr. Old Street Station.) 'Phone: Clerkenwell 0236.

IT IS AN INDISPUTABLE FACT
'H.M.G.'
in its improved form is the best CAPPING SOLUTION yet obtainable.
H. MARCELGUEST, Ltd. NEW ERA WORKS, FITZGEORGE ST., COLLYHURST.
Telephone: Collyhurst 2644

TATCHO
THE HAIR RESTORER
PROMOTES, PRODUCES, BEAUTIFIES THE HAIR
Sample Size 6^D.
6 Bottles in Case for Counter Display, 4/- PER DOZ.
1/3 size .. 12/6 per doz.
2/9 size .. 26/- per doz.
TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

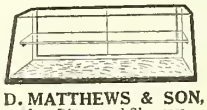
"Crescent" EYELASH OINTMENT
THE POPULAR EYELASH GROWER
PRICE 7/6 | ALL BRITISH PROFIT 50% | PER DOZEN 60/-
WHOLESALE DISTRIBUTORS: J. C. GAMBLES & CO., LTD.
211/215 Blackfriars Road, London, S.E.1

SHADEINE
FOR TINTING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-
The SHADEINE CO., 58 Westbourne Grove, London, W.2

Remember to order "3 ARROW BRAND" HYPODERMIC SYRINGES & "77" STAINLESS STEEL NEEDLES
Guaranteed and Reliable. Give satisfaction to yourself and your customer.
Obtainable through all the leading Wholesalers.
Free samples of needles can be obtained from
ALBERT H. JACOBS, 147 & 157 Farringdon Rd. London, E.C.1
'3' Arrow Mark

Chemists' Fittings
When you want Shop Fittings it will pay you to send to
GEORGE COOK
The Chemists' Working Shopfitter,
27 Macclesfield Street, City Road, LONDON, E.C.1
30 *years' experience.* *Rough Sketches free.*

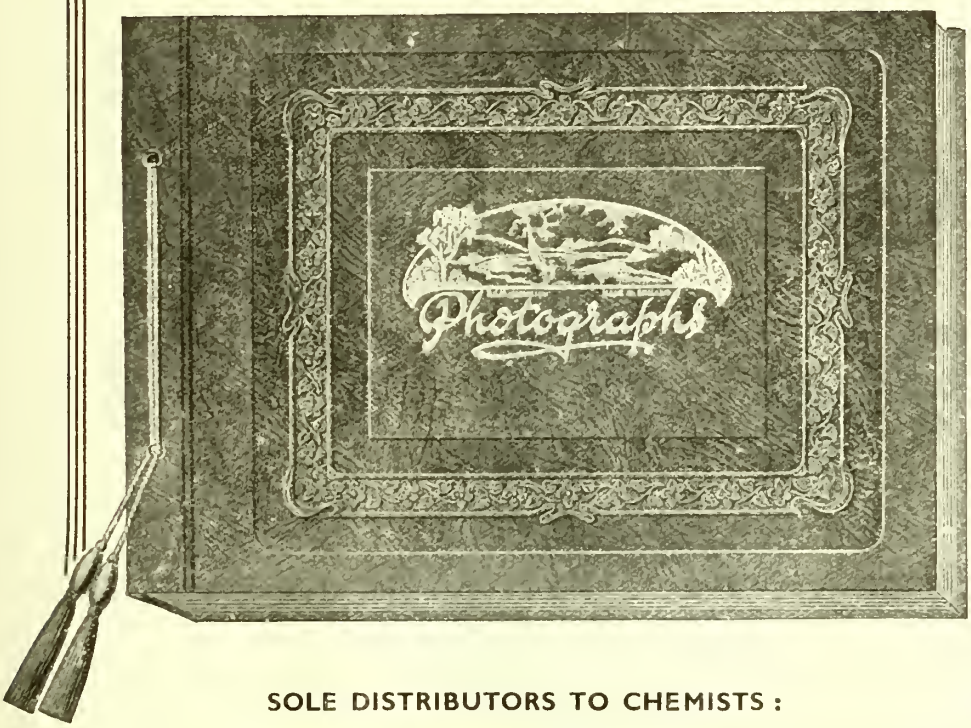
TREBLES
SHOP FITTERS
SHOP FRONT BUILDERS
PHARMACY FITTERS for over a Century.
549a Lea Bridge Road, Leyton, London, E.10



D. MATTHEWS & SON, *Shop Fitters and Showcase Manufacturers,* 14/16 Manchester St., LIVERPOOL.

THE KWIK-SALE SHOWCASE
Suitable for all Businesses.
Plate glass sloping front. Frameless Mirror sliding doors at back. Polished edge plate glass shelf inside. Size 3 feet long, 14 in. back to front at bottom. 9 in. back to front at top. 12 in. high.....£5-10-0

Cachet CLOSING and FILLING machines
3/6 to 32/6
to suit all Dispensing Requirements.
WRITE FOR ILLUSTRATED LIST.
THOS. CHRISTY & CO., 4-12, Old Swan Lane, LONDON, E.C.4.



Coronet Slip-in ALBUM

TO HOLD
208 PRINTS,
$3\frac{1}{2}'' \times 2\frac{1}{2}''$

1/- RETAIL

Stiff Covers
Heavily Embossed
Assorted Blue and Brown

ADVANCE TRADE ORDERS RUN INTO THOUSANDS

SOLE DISTRIBUTORS TO CHEMISTS :

SEND YOUR ORDER TO-DAY

THOS. CHRISTY & CO., 4/12 Old Swan Lane, LONDON, E.C.4

A WELCOMING WARMTH

for your customers

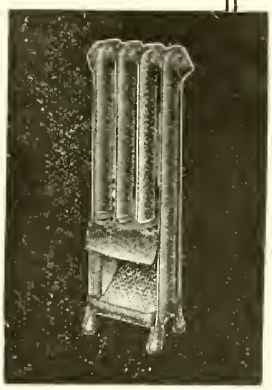
A CONGENIAL, uniform warmth throughout the shop is economically provided by Wright's Gas Radiators. For trouble-free, dependable service no other method approaches the excellence of these easily installed units.
No supervision is required, for the radiator cannot overheat. " Regulo "-control automatically reduces gas consumption immediately a predetermined temperature is reached. Considerable saving in gas is thus effected.
Each radiator is an independent unit so that heat distribution may be general or localized at will.
Four types are available—the " St. David," " St. Martin " and " St. Vincent " (all " Regulo "-controlled), and the " St. Bernard " (fitted with a governor).

WRIGHT'S GAS RADIATORS

See them at the Gas Showrooms

"REGULO"-CONTROLLED

JOHN WRIGHT & COMPANY
Essex Works, Aston, Birmingham
(Radiation Ltd., Proprietors)

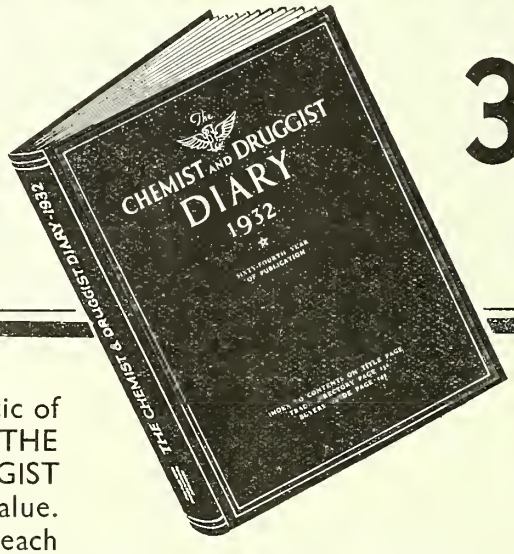


The "St. Martin" "Regulo"-Controlled

The "St. Bernard" Governor Controlled

THE CHEMIST & DRUGGIST DIARY

1 9 3 2



64TH YEAR OF PUBLICATION

¶ The special characteristic of an advertisement in THE CHEMIST AND DRUGGIST DIARY is its **permanent** value. Fresh Editorial features in each successive DIARY make it an authoritative reference book not for one year only but for many.

¶ The 1932 DIARY will contain, as usual, articles of the highest interest and importance to the Drug Trade, while the Trade Directory and Buyers' Guide sections (occupying 56 pages and containing over 18,000 references) will be more comprehensive than ever. Our Design Department is at the disposal of advertisers (free of obligation) for the preparation of sketch-suggestions and layouts in black and white, or in colour. All we require is a rough idea of the principal lines to be emphasised.

¶ It is imperative that manufacturers should keep their names and their products well before the best buyers at Home and Overseas throughout the whole year, and as there will be a distribution of

11,000 COPIES of the DIARY ALL OVER THE WORLD

the opportunity should not be missed to focus the attention of alert and worthwhile business men.

¶ As copies for Overseas subscribers have to be despatched in November,

WE CLOSE FOR PRESS ON NOVEMBER 7th, 1931.

Advertisement copy for colour pages and special positions should be in the Publisher's hands a week before that date.

FULL PARTICULARS AND ADVERTISING RATES ON APPLICATION TO

THE PUBLISHER

THE CHEMIST & DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

BRANCHES: 4 CANNON STREET, MANCHESTER. 19 WATERLOO STREET, GLASGOW.
54 FOSTER'S BUILDINGS, SHEFFIELD. MELBOURNE AND SYDNEY (AUSTRALIA). AUCKLAND (NEW ZEALAND).

"... *something for my hands*"

Remember that your recommendation makes or mars your reputation as a counsellor. 'Wellcome' Toilet Lanoline, presenting natural wool-fat highly refined, is an ideal emollient. Its creamy consistency and delicate perfume distinguish it from ordinary lanolines, and explain its unfailing appeal to customers.

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THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

PUBLISHED AT

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London" *Telephone: Central 6565 (8 lines)*

BRANCH OFFICES

4 CANNON STREET, MANCHESTER (TEL.: CITY 0052)
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VOL. 115. NO. 2699 OCTOBER 31, 1931

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News of the Week

Canada—Dumping Duty on United Kingdom Goods

Information has been received from Montreal that an Order in Council was issued on October 24 which provided that dumping duty will be payable on United Kingdom goods only when the current value of the £ sterling is below its value as officially fixed for dumping duty purposes. This official value will be fixed on the 1st and 16th of each month. These provisions remain in force until December 31, unless previously modified. The official value until October 31 is fixed at £1=4.40 Canadian dollars. Dumping duty will be payable only to the extent to which the current exchange value of the £, compared with the Canadian dollar, is below that figure. If the value is at 4.40 Canadian dollars or above, dumping is not leviable. In any event dumping duty is levied only on goods of a class or kind made or produced in Canada. Ordinary customs duty will continue to be assessed on a value for duty calculated in Canadian dollars on the par basis of £1=4.86⅔ dollars.

Dangerous Drugs Acts, 1920-25

WITHDRAWAL OF AUTHORITY—DAVID FRENCH RITCHIE.

The Home Secretary gives notice that he has withdrawn from David French Ritchie, Ph.C., 2 Wilton Avenue, Southampton, the authority granted by the Regulations made under the Dangerous Drugs Act, 1920, to persons who lawfully keep open shop for the retailing of poisons to be in possession of and supply raw opium, coca leaves and Indian hemp, or to manufacture any extract or tincture of Indian hemp, or any preparation, or to carry on the business of retailing, dispensing or compounding the drugs or preparations to which Part III of the Dangerous Drugs Act, 1920, applies.

Whitehall, October 26, 1931.

"Buy British" Campaign

On November 16 the Empire Marketing Board is launching throughout England, Scotland, Wales and Northern Ireland a compaign in favour of "'Buying British" at home and overseas. Every retail trader in the United Kingdom is asked by the Board to assist in a practical way to make this bid for the furtherance of British trade and employment an outstanding success. The campaign has the active support of the Association of British Chambers of Commerce, the Federation of British Industries, and several other bodies. Two new posters are available in crown and double-crown size, and can be obtained free on application, on and from November 2, at every employment exchange and local employment office in the United Kingdom. It is suggested by the Board that the exhibition of the "Buy British" posters should be backed up by special displays of Empire products.

Inquest

An inquiry was held at Hendon, on October 19, concerning the death of Mr. Alfred Heinemann, described as a specialist in the diseases of dogs. Evidence showed that Mr. Heinemann died in hospital from morphine poisoning, and that in his record of stock about 13 gr. was not accounted for. He was the only person who had a key of the cupboard in which it was kept. A verdict to the effect that he poisoned himself while of unsound mind was recorded.

Birmingham

"The Chemistry of Low Temperature Tar" was the subject of an address delivered to the Birmingham and Midland section of the Society of Chemical Industry by Professor Gilbert T. Morgan, F.R.S., on October 13.

Professor Ling, who is the son of a chemist, has retired from his position as head of the Biochemistry Department of Birmingham University. Professor Ling is succeeded by Mr. Reginald H. Hopkins as Adrian Brown Professor of Brewing.

The newly formed Birmingham centre of the National Association of Practipedists held its first meeting at 57 New Street, recently. Mr. J. Coffey gave a lecture and demonstration on the treatment of foot troubles by the Dr. Scholl method. The officers of the Birmingham centre are: Chairman, Mr. J. D. Ironside; Vice-Chairman, Mr. J. Mundy; Treasurer, Mr. F. Hedges; Secretary, Mr. G. B. Smith, 57 New Street.

Miscellaneous

WINDOW SMASH.—A lorry proceeding along Cranbrook Road, Ilford, on October 21, mounted the pavement and wrecked the window at the pharmacy of Taylors (Cash Chemists), Ltd.

THE GENERAL ELECTION AND THE CO-OPERATIVE MOVEMENT.—A question put to the parliamentary candidates at Blackburn by the local co-operative society read: "Will you support legislation to make the restrictive operations of the Proprietary Articles Trade Association and other price maintenance associations, illegal?" Inquiries show that the attempt to make this a political issue has not disturbed chemists. "It shows that the P.A.T.A. has more than justified its existence" was the comment of one pharmacist.

IN THE COURTS.—In Bow County Court, London, on October 26, A. & N. Catto, Ltd., chemists, Mile End Road, E., sued Joseph Levy, Merchant Street, Bow, E., for the return of a camera, attachment and case, value £2 4s. 6d., which was supplied under a hire-purchase agreement, the defendant having failed to perform his part of the agreement. When the case was called, Mr. Benton, for the plaintiffs, said there was a promise by the defendant to pay the balance due, and he would ask for an adjournment to see if this arrangement was carried out. Judge Thompson consented.—At West Ham Police Court, on October 27, Charles J. Powell (21), described as a hospital attendant, was fined £5, with £3 3s. costs, for falsely pretending to be a medical practitioner. It was stated that the accused made a voyage to Australia and back as a ship's doctor.

Scottish Notes

Brevities

Local authorities have notified chemists that Public Assistance prescriptions will be subject in future to a 6.3 per cent. cut on totals.

At a recent graduation ceremony in Glasgow University the degree of doctor of philosophy was conferred upon Mr. James Prior Todd, Ph.C.

The sudden cold snap has given a send off to winter lines; cough remedies, etc., have taken the place of photographic supplies on the front shelves.

Irish Notes

Proceedings in the Dail

Replying to a question in the Dail on October 21, the Irish Free State Minister for Industry and Commerce said that efforts were being continued to secure the restarting of the bottle-making industry, and the retention of the import duty was necessary to give those efforts a reasonable prospect of success. The order prescribing standard bottles was a matter for the Minister for Justice and not for him.

On the report stage of the Apprenticeship Bill, 1930, in the Dail on October 21, the Minister for Industry and Commerce moved the insertion of two amendments dealing with premiums. Under the first amendment the Apprenticeship Committee would be empowered to make rules in relation to the fee, premium or other condition which might be taken in respect of apprentices. The second amendment laid down that it should not be lawful for any person to take fee, premium or other condition unless rules made by the Apprenticeship Committee were in force. The amendment was defeated by 63 votes to 52. The insertion of a new section to make it an offence for any person to do any act whereby an employer was prevented from, or obstructed, or impeded in complying with the rules made by an Apprenticeship Committee, was carried by 61 votes to 57. The Bill passed its fifth stage on October 23.

Brevities

Mr. Gerald C. O'Neill, M.P.S.I., has purchased the Blackrock Pharmacy, Blackrock.

Kyle & Co., Ltd., chemists, have taken over the premises of the late Mr. James Nethery, Ph.C., Scotch Street, Dungannon.

Mr. Eugene MacMahon, M.P.S.I., is opening a medical hall at 9 Burgh Quay, Dublin, to be known as The Central Pharmacy.

The contract for the supply of medicines to the Cork North Charitable Infirmary has been divided between the Cork Chemical & Drug Co., Ltd., and P. J. Fielding.

The Local Government Department has requested teachers under the co. Galway Vocational Committee to point out the highly-nutritive value of carragheen moss, for which there is a growing demand in Dublin.

Mr. W. J. Stevenson, Ph.C., Belfast, has resigned the secretaryship of the Ulster Retail Drug Trade Association. The Committee propose to appoint a part-time secretary, who must be a pharmaceutical chemist.

Mr. William C. Hinchy, L.P.S.I., Ballycastle, co. Mayo, writing to the Press, warns young people who are thinking of entering pharmacy. Qualified men and women are, he states, walking round the streets without any hope of getting employment, and in a recent examination only five candidates out of eighty-five were successful.

Sir Thomas McMullan (member of the Council of the Pharmaceutical Society of Northern Ireland), who is chairman of Bangor Hospital, welcomed the Mayor and Mayoress (Councillor and Mrs. Malcolm) and members of the Bangor Borough Council, and their wives at a special demonstration of the Bangor Hospital *x*-ray apparatus, on October 22.

Mr. W. Williams, works manager, and Miss Martin, senior typist, of McMaster, Hodgson & Co., Ltd., wholesale chemists, Dublin, were recently the recipients of a cheque (on behalf of the company) and a gramophone (from the staff) as wedding presents. Mr. J. W. Middleton, managing director, presented the gifts, and Mr. C. J. O'Neal (general manager and director) paid tributes, to which Mr. Williams and Miss Martin suitably replied.

At a recent meeting of Longford Urban Council Mr. Fanning raised the question of the menace of the travelling shop to local traders. He stated that the tax of £10 was an encouragement rather than a deterrent to these people, while the traders of Longford had to pay a rate of 17s. in the pound. Bottles of medicine, pills, drugs, etc., and all classes of goods were sold by hawkers to the serious detriment of the traders of the town. Similar protests have been made by traders elsewhere.

Belfast

Mr. Hugh Mulholland, Ph.C., has opened a pharmacy at 35 Cregagh Road, Belfast.

Mr. J. A. Stewart, Ph.C., has opened a pharmacy at Upper Newtownards Road, Belfast.

The death occurred in Belfast, on October 12, of Dr. J. A. Hutchinson, Woodvale Road, a well-known medical practitioner. Dr. Hutchinson, who was fifty-three years of age, served his apprenticeship with J. & J. Haslett, Ltd., wholesale druggists, North Street, Belfast. He employed his lesure in preparing for the Queen's University entrance examination, and matriculated in 1905; six years later he obtained his degree in medicine.

Parliamentary Election

THE results of the general election, held on October 27, were virtually complete when this issue went to press, though a few declarations had not been received. The new House of Commons consists, so far, of 551 members of the National Government party, 56 members of the Opposition, and one Independent. As previously announced, the new Parliament is summoned to meet on November 3. The following are notes on candidates of interest to the trade; the initials in parentheses are used for the same designations as in our issue of October 17:

SIR WILLIAM ALEXANDER (U.), chairman of The British Dyestuffs Corporation, Ltd., has retained his seat for Central Glasgow by the handsome margin of 10,091 votes, his score being 21,547, compared with 18,336 in 1929.

MR. CYRIL ATKINSON, K.C. (U.), has been re-elected for the Altrincham division of Cheshire.

SIR ROBERT BIRD (U.), chairman and managing director of Alfred Bird & Sons, Ltd., manufacturing chemists, Birmingham, has resumed his membership of West Wolverhampton, which he represented in Parliament from 1922 to 1929. His majority is 9,091.

DR. C. G. CLAYTON (U.) is returned by the large majority of 34,758 votes (nearly three and a half times as many as those polled by his opponent) for the Wirral division of Cheshire. Dr. Clayton, who is a director of the United Alkali Co., Ltd., represented the Widnes division of Lancashire prior to 1929.

SIR WILLIAM EDGE (Nat. L.) has been re-elected for the Bosworth division of Leicestershire by the increased majority of 14,256.

MR. GILBERT GLEDHILL (U.), has won a seat for the Government, in a three-cornered contest, at Halifax, with the handsome majority of 20,130 over the next candidate. Mr. Gledhill, who is a director of G. H. Gledhill & Sons, Ltd., and of the Gledhill-Brook Time Recorders, Ltd., has in addition obliterated an adverse figure of 7,063 votes, by which he was second in a similar battle in 1929.

CAPTAIN AUSTIN U. M. HUDSON (U.), has retained his membership for North Hackney by the largely increased majority of 11,523 in a straight fight, votes for him numbering 20,545 against 9,022 given for his opponent. Captain Hudson, who is a director of Morgan Brothers (Publishers), Ltd., has represented his constituency since 1924, and was previously the member for East Islington.

SIR HENRY JACKSON, M.B. (U.), has won back his old seat for Central Wandsworth by the comfortable margin of 11,647 over the next candidate in a three-cornered fight. Sir Henry sat for this constituency from 1924 to 1929.

SIR WILFRID SUGDEN (U.) has captured West Leyton, converting an adverse majority of 2,153 into a Government majority of 10,010.

COLONEL SIR K. P. VAUGHAN-MORGAN (U.) has retained his seat at East Fulham by the largely increased majority of 14,521.

Among the rejected is MR. WILLIAM BENNETT (Lab.), the only pharmacist in the last House of Commons, and an energetic worker in connection with the Pharmacy and Poisons Bill.

Topical Reflections

By Xrayser

Foreign Products

should, methinks, find no place in the British materia medica unless corresponding medicaments of equal quality and virtue cannot be produced by ourselves in sufficient quantity. Mr. Peck's suggestions in this connection (*C. & D.*, October 24, p. 509) are sensible ones and deserving of the most serious consideration. Chemists and druggists can do much to encourage home production of chemicals, some drugs and many galenical preparations. As regards the last-mentioned and proprietary articles, it seems to me that there ought to be little or no occasion for anything of the kind to be imported, since we are fully as capable of producing such goods as any foreign pharmacists or manufacturers, if not more capable in many instances. It will be noted that Mr. Peck stipulates for a steady advance in the general and special education of the British pharmacist as part of his proposals; and no fault can reasonably be found with the seven points he sets out in stating what is, or should be, our aim at the present time in pharmaceutical training .

Another Aspect

of the pharmaceutical problem is presented in the same issue by Mr. Arthur Mortimer (p. 510), but I do not regard his comments upon the existing situation as being necessarily in conflict with Mr. Peck's observations. It does not follow that " we shall have to settle once and for all whether pharmacy is a trade or a profession." In my opinion it will continue, so far as the business of the chemist and druggist is concerned, to be something of both, and Mr. Mortimer himself seems to admit this. In the new world, he says, it is going to be a trade, yet the professional side can be conducted on a business footing. But there is really no occasion to worry about exact definition of the nature of our business. The point is that we ought to understand what it is, realise its possibilities, and then set to work to make the best of it. Thoroughly sound advice on this point is given by Mr. Mortimer, and attention should particularly be directed to what he said about prophylactics, profits and legislation.

Easy Prescribing

is the chief object of the National Insurance Formulary, just as it was of the older local formularies; but it does not follow that the chemist who dispenses the abbreviated prescriptions is necessarily going to share in the economy of time effected by doctors being able to order mixtures by name only. Your correspondent who referred (p. 523) to my previous remarks on this subject must not assume that I approve of the doctors' time being saved at the expense of the chemist—and sometimes of the patient. I am, as a matter of fact, in cordial agreement with him in regarding the existence of the formulary as being, to a not inconsiderable extent, inimical to the interests of patients. There is, to my mind, no question about many mixtures being ordered when not required by patients, and it would surprise me not at all to receive particulars of cases where unsuitable medicine has been prescribed, largely because of the existence of ready-made formulas. As regards the use of stock mixtures, it is true that their existence is not officially recognised; but the price lists of wholesale druggists reveal, clearly enough, that there is a considerable business done in the supply of concentrated forms of National Insurance Formulary mixtures.

Legal Reports

Injunction Granted.—In the Chancery Division of the High Court, London, on October 16, Mr. Justice Maugham had before him a motion by Sorbo Sponge Products, Ltd., to restrain Thomas White & Co., Aldershot, from selling rubber mats not of plaintiffs' manufacture as Sorbo mats or under any description of which the word "Sorbo" formed part. Mr. Wallington, for the defendants, said they were willing to submit to a perpetual injunction, pay £25 as damages, deliver up all mats of the kind complained, and pay the costs. Mr. Charles Romer, for the plaintiffs, accepted this, and his lordship entered judgment accordingly.

Spirit of Nitrous Ether.—At Tower Bridge Police Court, London, on October 22, Austins, Ltd., chemists, Bermondsey Street, S.E.1, were summoned, under the Food and Drugs (Adulteration) Act, for having sold sweet spirit of nitre not of the nature, substance and quality demanded. Mr. Stallon, solicitor, supported the summons, Mr. H. Glyn-Jones, barrister, defended. Evidence showed that the sample tested contained only 0.805 per cent. of ethyl nitrite instead of 1.52 per cent., although a sample taken later contained 2.28 per cent. Mr. Donald Button, assistant to the Bermondsey borough analyst, did not agree that the fact of pouring the sample from one bottle to another would account for the deficiency. Cross-examined, witness said he had never tried this experiment. Mr. Archibald Dawson, public analyst to the Council, said his assistant made an analysis on the first day and witness made one on the next. He found no greater deficiency the day after than he found on the first day. The remainder was kept for six weeks in the same bottle, when it showed a deficiency of 6½ per cent. greater than on the first anaylsis. He also poured sweet spirit of nitre from one bottle to another and then back, and on analysis he found no appreciable deficiency. He poured some into a large open-mouthed vessel from a height of 12 inches and two other heights, and then found a further deficiency of 5 per cent. In answer to Mr. Glyn-Jones, witness agreed that this was a very volatile chemical to deal with. He did not agree that it was impossible to keep it without loss. One could not keep it indefinitely, as there was a danger of internal decomposition. He did not agree that it was impracticable to test it frequently. He agreed it was not so frequently used now as it was years ago.

The Defence

Mr. Robert Findlay, chemist and druggist, manager of the defendants' shop, said that on April 17 he received the stock bottle from the manufacturer. He first opened it on May 2. He did not open it more than five times before the inspector took his sample. While the inspector separated the sample he left the cork out, and that would make a deficiency. He had plain glass bottles, which were too large for the samples, and that would account for a further deficiency. Later, the inspector took another sample from a fresh bottle, and told him that it was a very good sample. Witness said it was not customary to test a bottle of sweet spirit of nitre within three weeks of its delivery. In answer to Mr. Stallon, he said that the spirit was kept in an ordinary bottle with a glass stopper. He knew it was recommended that it should be kept in an amber-coloured bottle. Mr. William Johnston, Ph.C., gave evidence that sweet spirit of nitre was a substance liable to loss by evaporation and internal decomposition. By pouring it from one bottle to another it lost about one volume of gas. On repeating this, the volume came down from six to five, a loss of 17 per cent. He also held that temperature was a great factor in the tests. In answer to Mr. Stallon, witness said it could be kept in the ordinary way, without testing, for two months, provided it was properly bottled. Mr. Glyn-Jones said he thought it a pity the Act should have been used as it had been in that case. So volatile and so difficult to keep was sweet spirit of nitre that even under the best conditions it was liable to lose strength, and a great many local authorities had, on that account, stopped sampling. He thought that this case should be dealt with leniently.

Judgment

The Magistrate (Mr. Oulton): It is admitted in this case that there was a deficiency of 0.36 per cent. of ethyl nitrite in the sweet spirit of nitre kept for sale in the defendants' store. The British Pharmacopœia requires at least 1.52 per cent. of ethyl nitrite. There is therefore a deficiency of 43.5 per cent. I do not think the deficiency found by the public analyst is in any way disputed, except in regard to the observation that no change has taken place in the constitution of the article that would interfere with the analysis. That a change has taken place and that it amounts to the 43.5 per cent. alleged is the defence to this complaint. It is argued by Mr. Glyn-Jones that the loss was due to the means and method of sampling. The bottles used were not of the right colour, they were not full, there was a loss due to the pouring out of the spirit and the handling of the bottles, and so forth. Mr. Glyn-Jones states, in short, that ethyl nitrite is so volatile that any deficiency is entirely due to the testing. I am not prepared to hold that some criticism of these methods would be unfounded. There is this to be said, however, that the defendants could have adopted similar methods to those it is suggested the complainants should have used. They have not done so. The defendants used a blue instead of an amber-coloured bottle. Five times between April 2 and May 17 has the stock bottle been used, so far as I have heard, without any elaborate precaution to avoid loss of ethyl nitrite. I am driven to the conclusion that while there may have been some loss of ethyl nitrite in the process of detecting the deficiency, that loss is of small moment. This very substantial deficiency—and I assume in the defendants' favour, supported as it is by the analysis of the subsequent samples from the new bottle, that the original proportion of ethyl nitrite was considerably less than the maximum permissible—was not due to the process of detection, and it is a deficiency for which the defendants are responsible. The better they realise how difficult this ethyl nitrite is to keep, the better should be their methods of keeping and of testing it. Sweet spirit of nitre is used for medicinal purposes. I do not think, even if it be true, that the infrequency of its use for this purpose should influence my judgment. In this case it is admitted that it had been used so four times. Medical prescriptions must be accurately made up with care and skill. . . . I suppose there is nothing known against the defendants? Mr. Stallon: There are two previous convictions against this firm in 1923. The Magistrate: The defendants will pay a fine of £10 and ten guineas costs.

Gazette

Partnerships Dissolved

Kennerley, F. R., and Kennerley, A. E., Measham, Leicester, patent-medicine vendors, under the style of "Kennerley."

Stone, G. P. R., and Matthewman, C. W., 141 Manchester Road, and 88 Sussex Road, Southport, chemists and druggists, under the style of George Percival Robert Stone, M.P.S.

A new reckoner.—The "Express T. C. Q. Weights Pricer" is a new reckoner issued by Gale & Inglis, 13 Henrietta Street, London, W.C.2, and 12 Newington Road, Edinburgh. The user is enabled, not only to cost up a quantity, but also to translate the prices into other denominations without calculation.

New Companies

and Company News

P.C. means Private Company and R.O. Registered Office.

DICTUM, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. Secretary: A. F. Carroll.

JOHN POOTS & SON, LTD. (P.C.).—Capital £20,000. Objects: To acquire the business of John and John Martin Poots, wholesale and retail chemists, grocers, etc. R.O.: 57 Castle Street, Newtownards.

DALSTON DRUG CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturing chemists, druggists and sundriesmen, drysalters, perfumers and opticians, etc. R.O.: Dalston Junction Station, E.8.

BARCOL, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, optical specialists, drysalters, manufacturers and sellers of medicines and preparations, etc. R.O.: 297 High Street, Poplar, E.14.

S. EDWARDS & SON, LTD. (P.C.).—Capital £4,000. Objects: To acquire the business of a chemist, druggist and photographic supplier carried on by Leah Edwards, at High Street and at Fern Road, Godalming. R.O.: 31 and 32 High Street, Godalming.

F. W. CASSELL & CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of patent medicine manufacturers, vendors and dealers, drug merchants, herbalists, manufacturing and dispensing chemists, etc. R.O.: 108A Mansfield Road, Nottingham.

S. B. WOODS (CHEMISTS), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist now carried on by G. H. Cole, M.P.S., at 17 Bridge Road, Blundellsands, Lancs, as "T. I. Roberts, chemist and druggist." R.O.: 17 Bridge Road, Blundellsands, Lancs.

CROMPTON & PRESTON, LTD.—To take over the business of chemists and druggists, etc., carried on at 50 Crostons Road, Elton, Bury, as William Crompton. Nominal capital, £100. Directors: H. Crompton, West View, Woolford, Bury; S. Preston, 45 Horbury Street, Elton, Bury.

S'KITAKURA, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of the manufacture and sale of an article known as "S'Kitakura," carried on by G. T. Mitchell at Selsey, Sussex, to acquire the trade mark "S'Kitakura," and to carry on the business of chemists, druggists, drysalters, oil and colour men, etc. R.O.: High Street, Selsey, Sussex.

MINFOOD, LTD. (P.C.).—Capital £100. Objects: To carry on the business of advisers, manufacturers of and dealers in medicinal and dietetic products for human and animal use; to acquire from the United Chemists' Association, Ltd., the registered trade-mark "Minfood," and to carry on the business of printers, publishers and booksellers, etc. R.O.: Lloyds Bank Chambers, Cheltenham.

CONSOLIDATED PLATINUMS, LTD. (P.C.).—Nominal capital, £1,000. Objects: To buy, sell, import, insure, handle, store, dispose of or otherwise deal, in the United Kingdom and elsewhere, in metals of the platinum group, namely platinum, palladium, rhodium, iridium, ruthenium and osmium, their alloys, ores, salts and compounds, and/or all mattes, sludges, slimes, residues, concentrates and/or metalliferous substances and/or materials containing, producing and/or bearing all or any of the said metals; to promote co-operation between persons, firms and companies, including those who are or may become members and who alone or in co-partnership or otherwise carry on business as miners, smelters, producers, refiners, manufacturers, fabricators and/or dealers in or distributors of platinum metals, with a view to promoting the interests of its members on prudent commercial lines, to keep in touch with the progress made in the knowledge and practice of mining, refining, producing and treating platinum metals, with a view to promoting economy, efficiency and a high standard of quality, etc. The subscribers are: Lord Brabourne, chairman for and on behalf of New Consolidated Gold Fields, Ltd., 49 Moorgate, E.C.2; J. G. Lane, director, for and on behalf of Johannesburg Consolidated Investment Co., Ltd., 10/11 Austin Friars, E.C.2.; J. E. Janson, director, for and behalf of Edelmetalle Vertriebs Aktiengesellschaft, Berlin, Unter den Linden, No. 68A; and D. Owen Evans, Delegate Director, for and on behalf of the Mond Nickel Co., Ltd., Imperial Chemical House, Millbank, S.W.1. The control is vested in a Management Committee. The Management Committee shall appoint two joint managers of the company, one of whom, so long as Edelmetalle Vertriebs Aktiengesellschaft shall be a member, shall be nominated by it, and the other of whom shall be nominated by the remaining members. The conduct of the ordinary business of the company and the supervision of the accounts shall be delegated to the joint managers. Solicitors: Linklaters & Paines, 2 Bond Court, Walbrook, E.C.4. R.O.: Imperial Chemical House, Millbank, S.W.1.

BURT, BOULTON, HEYWOOD, LTD.—Net profit for year ended June 30 last was £51,933, against £73,445 for the previous year. Carry forward is £13,918, against £15,000. Total dividend for the year is 8 per cent., against 9 per cent last year.

Private Arrangements

Lyall James McDougall, 5 Langney Road, Eastbourne, chemist and druggist.—A meeting of the creditors was held recently at the office of the Eastbourne and District Chamber of Commerce, when a statement of affairs was submitted which disclosed liabilities of £865 16s. 11d., of which £550 was due to the trade, and £315 16s. 11d. to cash creditors. The assets totalled £557, and consisted of stock, £200; fixtures, fittings, etc., £100; book debts, £7; household furniture, £150; and share under will of late Mrs. Christina McDougall, £100. After allowing £78 5s. for preferential claims, the net assets were £478 15s., or a deficiency of £387 1s. 11d. It was resolved that the debtor should be called upon to execute a deed of assignment in favour of Mr. A. E. Orbell, accountant and auditor, 6 and 7 Old Steine, Brighton, as trustee, with a committee of inspection, consisting of Mr. R. H. Rice, Mrs. Tanner, and a representative of Messrs. Francis, Nicholls, White & Co., Old Jewry, London, E.C., representing creditors. The following are creditors:—The Anglo-American Optical Co. (England), Ltd., £10; The British Drug Houses, Ltd., £18; Burgoyne, Burbidges & Co., Ltd., £34; Butler & Crispe, £110; Coty (England), Ltd., £15; Kodak, Ltd., £30; May, Roberts & Co., Ltd., £19; Rice, R. H., £32; Yardley & Co., Ltd., £25; Tanner, Mrs., £50.

Bankruptcy Reports

Re Willie Llewellyn, 44 Dunraven Place, Bridgend, Glamorganshire, lately 68 Nolton Street, Bridgend, chemist and druggist. The public examination was held recently at the County Court, Wyndham Street, Bridgend. According to the statement of affairs there was a deficiency of £1,587. Debtor attributed his failure to lack of capital, keen competition and depression in trade.

Re Thomas Charles Hetherington, 47 Spring Grove Road, Hounslow, Middlesex, chemist and druggist. The following are creditors:—O. S. Ashcroft, £349; W. Bridge, £100; Miss C. A. Hetherington, £200. Contingent liabilities:— Castle Huskisson, Ltd., £43; J. B. Hay & Co., £11; May, Roberts & Co., Ltd., £35; Newbery & Sons, £80; Roll Film Co., Ltd., £11; Wigglesworth, Ltd., £18; United Chemists' Association, £10; Wright, Newman & Co., £17; of which £275 11s. is expected to rank.

Pharmaceutical Society of Great Britain

Examination Results

THE following are the results of the examinations held in Edinburgh during October:—

—	No.	Preliminary Scientific				Chemist and Druggist Qualifying			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for Prelim. Sc. exam. ..	92	2	44	25	21	—	—	—	—
Referred subject in Prelim. Sc. exam. ..	48	2	—	12	34	—	—	—	—
Entered for C. and D. exam.	84	—	—	—	—	4	16	18	46
Referred subject in C. and D. exam. ..	60	—	—	—	—	1	—	—	59
	284	4	44	37	55	5	16	18	105

Referred in one subject:—Botany, 11; chemistry, 17; physics, 9; pharmacognosy, 2; pharmacy, 10; pharmaceutical chemistry, 4; forensic pharmacy, 2; total, 55.

Chemist and Druggist Qualifying Examination

The following, having satisfied the examiners in this examination, have been registered as chemists and druggists:—

Allan, Margt. R. F., Elgin
Baron, Edith L., Huddersfield
Barrowman, G., Irvine
Bass, J., Leeds
Benzie, A. C., Rutherglen
Binns, W., Musselburgh
Boagey, J. V., Redcar
Boyd, A. D., Harrogate
Bradley, A. E., Preston
Briggs, G. C. N., Rotherham
Carmichael, J., Kirkintilloch
Carr, W. M., Fence Houses
Crabtree, P., Eastwood, Lancs.
Dodd, J. M., Gateshead-on-Tyne
Duff, Helen G., Glasgow
Duncan, Elspeth H., Paisley
Edmonds, S. G., Liverpool
Edwards, J. P., Dumfries
Eunson, J. R., Glasgow
Ferrier, J. M., Grangemouth
Fletcher, H., Preston
Gallagher, C. W., Sheffield
Gavshon, W., Pretoria, S. Africa
Gemmell, W., Dumfries
Gordon, A. R., Davenport
Gray, J. A., Larkhall
Gray, J. S., Montrose
Guest, G. R., Lytham
Halliday, D. I. M., Rothesay
Handley, R., Liverpool
Hardy, G. P., Edinburgh
Hawcroft, T. V., Redcar
Hay, F. W., Aberdeen
Heslington, C., Bradford
Hinchliffe, J., Rotherham
Hudson, S., Halifax
Iddon, D., Southport
Jackson, G. H., Heckmondwike
Jessop, C., Bradford
Joinson, R. A. H., Hoole
Jones, I. W., Bl. Ffestiniog
Kerr, J., Beith
Kerr, J. B., Sunderland
Kidd, F. A., Buxton
Kinnaird, D. M., Aberdeen
Laws, R. C., Darlington
Lawson, W., Rutherglen
Leach, T. W., Appleby, Westmorland
Low, Beatrice D., Aberdeen
McClymont, W. L., Fort William
McEnnerney, J. C., Ashton-on-Ribble
McIntyre, J., Greenock
Mackay, Isabella, Rothesay
MacKenzie, M., S. Shields
McKerchar, P., Castle Douglas
McLeod, W., Keith
Marr, G. W., Doncaster
Matheson, R. S., Edinburgh
May, Winifred E., Accrington
Mercer, W. G., Preston
Midgley, J. P., Bradford
Mindham, T. R., Doncaster
Mitchell, R. G. W., Aberdeen
Morris, W., Cumnock
Murray, Christina S., Aberdeen
Murray, J. Y., Aberdeen
Mutch, G. E., Alford
O'Connor, T. W., Norwich
Park, A. W., Aberdeen
Pearson, Clarissa E, Bradford
Peat, D. H., Carlisle
Pickard, F., Huddersfield
Prebble, H. E., Liverpool
Prosser, W. S., Stockton-on-Tees
Ralph, H., Glossop
Raw, J., Sale, Cheshire
Reid, W. B., Fyvie
Robb, W. G., Paisley
Robertson, J. A., Glasgow
Rogers, R. A., Sunderland
Rothney, A., Glasgow
Seale, C. H., Hoole
Servian, M., Liverpool
Shanks, Isabella T., Montrose
Sharpe, J., Dumfries
Smethurst, C., Rossendale
Steele, T., Glasgow
Taylor, C. H., Bradford
Taylor, J., Methil
Taylor, J., Leeds
Tennent, J. G., Carnoustie
Thomson, Mary R., Paisley
Throup, S. M., Keighley
Tighe, C., Glasgow
Tranmer, J. H., Scarborough
Travis, F., Preston
Tulloch, J. R., Kirkwall
Walker, A., Eccles
Warwick, W., Dumfries
Watson, R. J. M., Aberdeen
Wheweli, H., Wakefield
Wilson, G., Buckie
Wyness, J. M., Banchory
Yates, W., Chorley
Young, J. A., Aberdeen

North British Executive

A meeting of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on October 21, Mr. J. B. McVitae in the chair.

Appointments

A list of divisional secretaries for appointment by the Council for 1932 was approved, the only change being in the case of Orkney and Shetland, Mr. Bernard Heddle (Kirkwall) being nominated in room of Mr. A. A Porteous (Lerwick), who had resigned after many years' service. The Executive unanimously agreed to forward a letter of thanks to Mr. Porteous.

Scottish Branches

It was reported that the five Scottish branches had been communicated with in regard to the arranging of meetings for the ensuing session. They had also been communicated with in connection with the general election as to getting into touch with candidates who might be called upon to meet a deputation in relation to the Pharmacy and Poisons Bill.

Pharmacy and Poisons Bill

The decision unanimously arrived at by the conference of pharmaceutical organisations in London, on September 17, was reported. The dissolution of Parliament and the general election had altered the situation. It seemed quite probable, however, that the Bill would reappear in the new Parliament, seeing that it was purely departmental, and in no sense a party measure.

Proprietary Medicines Bill

Attention was directed to the Proprietary Medicines Bill, which had been introduced into the House of Commons on May 11. The dissolution had altered the position in regard to that Bill also. The Bill did not apply to Scotland, but it was realised that any legislation applying to England would in all probability be extended to Scotland in a later bill. It was, therefore, agreed that the opposition to such a bill taken by the Executive on the former occasion should be adhered to. It was also agreed that a note of the objections by the Executive and a copy of the draft alternative Bill should be placed before the Committee on the Proprietary Medicines Bill acting in this matter in England. The alternative Bill proposed to empower the Home Secretary in England and Wales or the Secretary of State for Scotland in Scotland to take proceedings to stop the sale or advertising of any medicine or appliance in a manner calculated to be injurious to the public interest.

Association Meetings

Liverpool. — A meeting of the Liverpool Chemists' Association was held on October 21. Mr. L. Moreton Parry, who presided, referred with regret to the loss through death of Mr. A. W. Lodge, who at one time took a very active part in the proceedings of the Association; Mr. John Bain, who was in turn secretary and president; and Mr. A. W. Ashcroft, who had been closely associated with them. The customary tributes of respect were paid. The president said that at the first meeting of a new session it was customary to nominate a new president for the coming year. The Council selected a gentleman who would, they would all agree, fill the chair with dignity. He referred to Mr. W. H. Clubb, chairman of the Retail Pharmacists' Union, whose nomination had been agreed to unanimously. Mr. Clubb said that while deeply appreciating the honour they proposed to confer upon him, he must most respectfully decline to accept the position. He already had duties to perform which, considering his present state of health and his age, occupied all his available time. He would like to propose for the presidency a gentleman who had served the Association well for a long time, and had filled with distinction the office of treasurer. He referred to Mr. Martin S. Hughes. Mr. Rae seconded. The president suggested that they defer the appointment until their next meeting. This suggestion was adopted. The president said they were fortunate in having with them his friend and colleague, Mr. W. Deacon, of Bridgwater, who was well known throughout the country as a lecturer. Mr. Deacon gave his lantern lecture on *X-Rays; Their Mystery and Use.*

London (N.).—The first meeting of the winter session of the North London Pharmaceutical Association was held on October 19. Mr. J. C. Young was unanimously re-elected as *President* for a second year; Mr. G. Hearle as *Vice-President;* Mr. J. T. Walters, *Treasurer;* Mr. H. P. Parker, *Auditor;* and Messrs. H. Skinner and W. E. Swanston, as *Secretaries.* Mr. B. Webster was added to the *Committee;* no change occurred in local officers. Arising out of the correspondence, discussion took place over the candidates at the parliamentary election and appropriate action was taken. Mr. Skinner introduced for discussion the subject of *Price Fluctuations,* citing several curious and contradictory figures. An interesting discussion followed, and it was clear the chemist would once more be liable to pay the piper without calling the tune unless he gave more personal attention to the principles of costing and intelligent use of price lists. Fixed-price articles were comparatively simple things, but it was in selling and dispensing drugs that small leakages would soon mount up to a substantial sum. It was agreed to bring the matter forward again.

London, S.E.—The opening meeting of the session of the South-East London Chemists' Association was held under the chairmanship of Captain J. J. G. Hay on October 13. There was a good attendance of members. Following routine business, an address on *Twenty Queer Happenings in Forty Years in Pharmacy* was given by Mr. J. Milner.

North Irish Pharmacists' Association.—A meeting of the Executive Committee was held in Belfast, on October 23, the president (Mr. W. J. Hardy) in the chair. There was a good attendance. The secretary (Mr. J. Dundee) reported that the analyst with whom the subcommittee was anxious to arrange on behalf of the members of the Association in N.H.I. matters had been approached by the Government, so the subcommittee thought it better to await the decision of the Government. It was also reported that no further consideration the economy cut in N.H.I. payments had been reduced from 7 per cent. to 6.3 per cent. A lively discussion took place on the recent elections. The proposed amalgamation of the various associations (which had been vetoed by the Chemists' and Druggists' Society) was again considered, and a proposal to take up the matter with the Ulster Retail Drug Trade Association was approved.

Reigate.—The annual meeting of the Reigate, Redhill and District Pharmacists' Association and Branch of the Pharmaceutical Society was held at Redhill on October 2, Mr. F. R. Barlow (president of the Association) in the chair. There was a good attendance. The following officers were elected:—*President,* Mr. T. P. Padwick (Redhill); *Vice-President,* Mr. H. J. Sadler (Crawley); *Treasurer,* Mr. F. Howell (Whyteleafe); *Secretary,* Mr. G. S. Powell, 33 Station Road, Redhill. The annual dinner and dance was arranged to take place at the White Hart Hotel, Reigate, on November 25.

Festivities

West Middlesex Reunion

THE annual reunion of the West Middlesex Chemists' Association and Branch was held at the Feathers Hotel, Ealing, London, W.5, on October 20. During the supper interval Mr. J. Elsworth Alcock (president) gave a short address of welcome to all those present, and said he would do his utmost to further their interests. The remainder of the evening was given over to an excellent concert, provided by Messrs. Kempton, Proudlock, Walk and Darby.

Thames Valley Supper

THE winter session was opened by a supper at the Kingston Hotel, Kingston-on-Thames, on October 20, Mr. W. S. Howells in the chair. The president said they had with them as a guest Mr. John Keall, who was well known to them all. Mr. Keall, in reply, said that Thames Valley was one of the pioneer Associations around London, and he himself had been a member in the early days They had produced many who had made their mark in pharmacy, and he wished them success in their future activities. A musical programme, arranged by Mr. Norman Dewey, occupied the remainder of the evening.

Hull Chemists' "At Home"

THE Hull Chemists' Association and Branch of the Pharmaceutical Society commenced the winter session with an "at home" in the form of a social and whist drive, given by the president (Mr. S. Boyce). During the evening refreshments were served, and at the conclusion the successful players secured their prizes from Mrs. Boyce. The winners were as follows:—*Ladies,* Mrs. Exelby, Miss A. Magee, Miss P. Wacholder. *Gentlemen,* Messrs. Newton, Watson and Brumfield. Mr. H. Brown proposed a vote of thanks, to which Mr. Boyce suitably responded.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, November 3

Glasgow Pharmacy Club, Highlanders' Institute, Elmbank Street, at 7.15 p.m. Whist drive. Tickets, 2s. each, from members of committee or the secretary, Mr. W. Peebles, 110 Springfield Road, Glasgow, S.E.

Manchester Pharmaceutical Association and Manchester, Salford and District Branch of the Pharmaceutical Society, Council Chamber, Houldsworth Hall, Deansgate, at 8.30 p.m. Demonstration of fitting of foot and surgical appliances.

Western (London) Pharmacists' Association and West London Branch of the Pharmaceutical Society, Stewarts' Restaurant, 50 Old Bond Street (corner of Piccadilly), London, W.1, at 8.30 p.m. The reproduction of a "talkie" picture, with camera demonstration, by an expert. Members of the Women Pharmacists' Association are cordially invited.

Wednesday, November 4

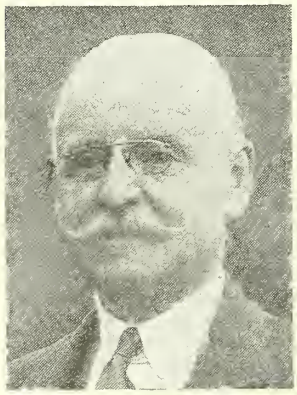
South-West London Chemists' Association and Branch of the Pharmaceutical Society. Outing to Hammerton's Stockwell Brewery.

Presentation to Mr. J. H. Franklin

THE annual dinner of the Manchester Pharmaceutical Association took, this year, the form of a conference reunion dinner and whist drive, which was held at the Midland Hotel (the headquarters of the recent meeting of the British Pharmaceutical Conference in Manchester) on October 21. The president of the Association (Mr. D. Dickson) and Mrs. Dickson, with the guests of honour at the dinner (Mr. and Mrs. J. H. Franklin), received the company, after which dinner was served. Supporting the president and Mrs. Dickson at the principal table were Mr. and Mrs. J. H. Franklin, Alderman and Mrs. Knott (Bolton), Mr. and Mrs. Kerfoot and their son, Mr. Scholes, Mr. and Mrs. Simmons, Mrs. Woolley, Colonel Watson, and Mr. Oldfield. After dinner the president asked the secretary (Mr. T. Miller) to read the numerous letters of apology for absence, among which was a charming tribute to Mr. Franklin from Mr. William Kirkby for his services to pharmacy, and particularly to the British Pharmaceutical Conference.

The President's Tribute

The PRESIDENT said he was a proud man that night, owing to the fact that it was his duty and pleasure to propose the toast of the evening to their dear friends, Mr. and Mrs. Franklin. Some time ago it was rumoured that Mr. Franklin was retiring from business and might possibly leave Manchester, so the Association decided to present him with some tangible memento in order to show its appreciation of the many services he had rendered to the pharmaceutical calling in Manchester. The rumour had proved false, and they were very happy to know that he had decided still to reside there and continue his association with them. Mr. Franklin had not been on the Council as long as some of them, but during his period of office he had devoted a great amount of time, energy, and enthusiasm to the work of the Association. This had been of immense value. He had been one of their most popular lecturers, president of the Association, a most active member of the local Branch Executive, chairman of the Pharmacy Club, chairman of the local Pharmacists' Golfing Society, and chairman of the Tennis Club in connection with the local branch. When he (the president) was an apprentice he went to a pharmaceutical smoking concert, and there he heard Mr. Franklin sing that delightful song, "Take a Pair of Sparkling Eyes." He had heard that song scores of times since, but never had he heard it better rendered. For years he had been an outstanding vocalist, and had always been a source of delight at pharmaceutical social functions. He now came to the crowning point of Mr. Franklin's career, when he was elected chairman of the British Pharmaceutical Conference. They were particularly proud that they had in Manchester a pharmacist whom the Executive in London thought a fit and proper person to occupy the position of chairman. The world knew and honoured the name of J. H. Franklin in connection with the Pharmacopœia and the Codex. It gave him the greatest pleasure to ask Mr. Franklin to accept a wireless set (of the most modern type) as a mark of esteem and appreciation of the work he had done to advance the cause of pharmacy in Manchester. It was not a parting token, for they hoped he would continue his activities with them for many years. He had also to propose the toast of their other honoured guest, Mrs. Franklin, which he did with the greatest pleasure. They could all testify to the great tact and ability she had shown at all the Conference meetings; but the courage she displayed under the terrible strain of her husband's illness was amazing. (Applause.)



Photo] [*Cleworth*
MR. J. H. FRANKLIN, PH.C.

Mr. Franklin's Reply

Mr. Franklin, who on rising to reply was received with prolonged applause, commenced by thanking the chairman for the kind words accompanying the toast, and the company for the cordial manner in which they had received it. He offered grateful thanks to the members of the Manchester Pharmaceutical Association for the very handsome present they had given him. Their kindness, extended over a long number of years as well as on that occasion, made it difficult adequately to thank them, but they could be certain that he would often use their gift, and quite as often think of the generous donors. It was expected that he might be leaving Manchester, but he had completely changed his mind, as he found it would be too difficult to leave the many friends he had made during his labours among them. He had always felt it a great honour to be associated in any way with the compilation of the British Pharmacopœia; and he could assure them that everyone had worked hard to make it as perfect as possible. Pharmacopœia construction had to be approached with a broad mind, and his experience suggested that it was not possible to produce a perfect Pharmacopœia. Perhaps he might be allowed to offer a suggestion that, immediately the new B.P. is published, steps be taken to carry on the work, so that later publications of it can be undertaken without undue hurry and with better results. He had derived considerable pleasure in doing the work, and felt great satisfaction when it could be shown that an investigation resulted in an improved product. His only regret was that owing to a busy life he had not done more of this work; but he had the gratification of knowing that these investigations have been appreciated by the retail members of the craft.

He congratulated everyone present on the great success of the Conference. It might be invidious to mention names, but the treasurer (Mr. Kerfoot) endeared himself to them all by his thoroughness and charming manner. He would mention the name of another gentleman, because he was leaving them in the New Year to return to his native heath — Mr. David Lewis, who thoroughly enjoyed every moment of his work. They all wished him good health and long life to enjoy his retirement. It was a great disappointment that he (Mr. Franklin) should be so ill, but thanks to the generosity of them and their visitors he managed to "scrape through." It did not matter whether he was at a meeting of the Manchester Pharmaceutical Association, the Branch of the Society, the Junior Branch, the Pharmacy Tennis or Golf Club, he always met the same warm-hearted friends and a warm welcome from everybody. About a year ago several of his London friends were doing a little "leg pulling," and said they would not come to the Manchester Conference unless he sang for them. He decided to sing something from a Viennese light opera, but this was prevented by his illness. The words appeared to show his feeling towards them, and he would repeat them. He also wished publicly to state his gratitude and appreciation to his colleagues and the staff of James Woolley, Sons & Co., Ltd., for the many acts of kindness which had been extended to him during his fifty years' service there.

During a short interval the room was cleared, and then the gathering sat down to play whist; at the conclusion the prizes were awarded to the following:—*Ladies* (1). Miss M. Pidd. (2), Mrs. D. Dickson, (Table No. 12), Mrs. T. Miller; *Gentlemen* (1), Councillor R. G. Edwards, (2) Mr. Jackson, (Table No. 12), Mr. L. Wood.

Marriages

ESLER—RITCHIE.—At Carlisle Memorial Methodist Church, Belfast, on October 22, William Esler, M.P.S.N.I., F.S.M.C., Howard Street, to Mary, elder daughter of Mr. Joseph Ritchie, M.P.S.N.I., Crumlin Road.

WALL—HEATON.—At the Holy Trinity Church, Llandudno, on October 21, Albert Percy Wall, chemist and druggist, to Ethel Heaton.

WOLFE—THOMPSON.—At the Parish Church, Buckley, Chester, on October 21, Wilfred Wolfe, chemist and druggist, to Irene Jane Thompson.

Deaths

GUYOT.—Recently, Mr. E. G. Guyot, of Guyot-Guenin & Son, import merchants, 67 Southwark Bridge Road, London, S.E.1, aged sixty-nine.

JOHNSON.—At Newcastle-upon-Tyne, on October 7, Mr. Herbert Johnson, chemist and druggist, aged fifty-four.

JOHNSON.—At Grimsby, on October 25, after a brief illness, Mr. Samuel Hearon Johnson, "Stanhope House," Woolton, chairman of J. H. & S. Johnson, Ltd., manufacturing chemists, 6 & 8 Hatton Garden, Liverpool, aged eighty-three. The business of which Mr. Johnson was the head was founded in 1802 by his great-uncle. He had been associated with the company for fifty years; in his leisure he travelled extensively, and was a keen sportsman. Mr. Johnson was an original member of the Liverpool Conservative Club. His son, Lieut.-Colonel E. P. Johnson, D.S.O., T.D., is managing director of Messrs. J. H. & S. Johnson. The funeral service took place on October 27, at Allerton Church, and the interment at Halewood.

MR. S. H. JOHNSON

ROBINSON.—On October 22, Peter, the beloved son of Mr. H. Robinson, chemist and druggist, 25 South Street, Keighley, aged seven.

Personalities

MR. J. W. STAINER, Ph.C., Folkestone, has accepted the mayoralty of the borough for a second year.

MR. D. T. EVANS, chemist and druggist, Margate, has been appointed a visitor under the Lunacy Acts.

MR. W. E. EVANS, chemist and druggist, Corwen, has been elected president of the newly formed tradesmen's association.

MR. J. H. SMITH, chemist and druggist, has accepted the invitation of the Dartmouth Town Council to serve as Mayor of the borough for a third year.

MR. A. J. RUMP, who recently retired from the position of senior laboratory assistant with Taylors Drug Co., Ltd., Leeds, on the completion of fifty years' service with the company, has been presented with a gold watch and chain by the directors. His colleagues at Burley Hill gave Mr. Rump an armchair.

MR. ALFRED RIDOUT, managing director of J. Grossmith & Son, Ltd., perfumery manufacturers, London, E.C.1, has been elected to the Court of Common Council for the ward of Farringdon Within.

MR. F. E. HUNT, chemist and druggist, Wellington (Shropshire), has been elected chairman of the Executive Committee of the local chamber of trade.

CERTIFICATES OF NATURALISATION have been granted to E. L. Ivens, medical practitioner, 5 Longridge Road, Earl's Court, London; J. Mincman (known as Joseph Mintzman), medical practitioner, 61 Highbury Hill, Highbury, London; J. Mindline, doctor of medicine, 68A Parkhill Road, Hampstead, London; B. Perott, consulting physician, 10 Marloes Road, Kensington, London.

IN "The Westmorland Gazette" of October 24, the second of Mr. John H. Robinson's "Studies from Life" (*C. & D.*, October 3, p. 429) was quoted *in extenso*. The same issue of the paper contained a note on a personally conducted tour organised by a Liverpool man on behalf of two Americans who wished to visit the Lake District. We have formed the impression that the Liverpool man was a pharmacist; whoever he was, he had the pleasure of receiving, some months later, a cheque from one of the tourists for more than £1,700, the proceeds of an investment made on his behalf by one of the visitors.

ONE of the chief items at the Blackpool Musical Festival is the Rose Bowl competition, and it is interesting to note that this year's winner of the coveted trophy was Mr. Frank Brecknell, chemist and druggist, the well-known Manchester district representative of James Woolley, Sons & Co., Ltd. Mr. Brecknell is a tenor who frequently broadcasts from the Manchester studio and has often sung at various pharmaceutical functions in the district.

MR. FRANK BRECKNELL

AT a service for the medical, nursing and allied professions held at the church of St. Mary le Tower, Ipswich, on October 18, the local chemists were represented by Misses Bradford, Colborne and Humfress, and Messrs. Farr, Piper, Stratton, F. W. Wiggin and J. Wiggin.

Wills

MR. ARTHUR HENRY TOONE, Exmouth, Devon, chemist and druggist, who died on July 1 last, aged 68, left estate of the gross value of £6,424, with net personalty £6,336.

MR. JOHN BAIN, 43 Prince Alfred Road, Wavertree, Liverpool, chemist and druggist, who died on August 8 last, aged seventy-five, left estate of the gross value of £10,103, with net personalty £9,191.

MR. ROBERT WALKER, of 13 Wheatland Grove, Poppleton Road, Without Acomb, Yorks, chemist and druggist, who died on March 3 last, intestate, aged seventy-eight, left £3,602 9s. 4d. gross, with net personalty £2,664 2s. 1d.

MR. OLIVER THOMAS ELLIOTT, Ph.C., 11 Lloyd Street, Small Heath Birmingham, formerly of 99 Melton Road, Leicester, phamaceutical and analytical chemist, who died on August 16 last, aged 60, left estate of the gross value of £5,753, with net personalty £5,637.

National Rat Week

THE Ministry of Agriculture and Fisheries has arranged for this year's "rat week" to be held from November 2 to 7. Under Section 1 of the Rats and Mice (Destruction) Act, 1919, it is a statutory obligation upon the occupier of land or buildings to take such steps as may, from time to time, be necessary and reasonably practicable for the destruction of rats and mice, on or in such land or buildings, and to prevent such land or buildings from becoming so infested. In default the occupier is liable, on summary conviction, to a fine not exceeding £5, or, where he has been served with a notice under the Act requiring him to take such steps, not exceeding £20.

The methods employed in the destruction of rats may be grouped under four heads:—(a) hunting; (b) trapping; (c) poisoning; (d) gassing.

Hunting

Ferrets (real or artificial) are frequently employed to cause rats to bolt from their burrows to be killed by dogs or with sticks or a shot gun. Artificial ferrets are made by saturating pieces of cotton-wool with a strong solution of potassium nitrate, sprinkling one (the inner) surface with cayenne pepper and rolling into cylinders. The cylinders should be six to nine inches long and tied at intervals. Place the "ferret" in the run, light it at one end and cover the hole with earth.

Trapping

The many types of trap employed include the spring trap; the wire trap; the snare; sunk pit or well traps; the large barrel traps; the break-back traps; and the varnish or rat-lime trap.

In the last-named type of trap strong lithographic varnish or rat-lime is used. This is suitable for all ordinary places, but a stronger varnish should be used in very hot kitchens, boiler-houses, etc., where steam is kept up all night. One pound of varnish or rat-lime is sufficient to make six traps 15 in. by 12 in. If the varnish is too thick to spread easily it should be warmed. After being warmed, it will run, in which condition it should be spread to a thickness of $\frac{1}{16}$th to $\frac{1}{8}$th in. over stout cardboard with a painter's stripper or other suitable tool; the cardboard should measure about 15 in. by 12 in. and should have a margin of 1 in. left free from varnish. The bait should be placed in the centre where it will adhere. The traps should then be placed along "runs" or near rat holes, and in infested places should be laid nightly so long as rats continue to be caught. Where there is a hole in the floor, a good plan it to cut out a hole in the cardboard rather larger than the hole in the floor and to place the cardboard so that the varnish or rat-lime entirely surrounds the hole. It should be noted that chickens and young animals other than rats and mice are liable to be caught on varnish or rat-lime traps, and care should be taken to prevent this. Such a trap is effective for about four days, when, if varnish is used, the old varnish should be scraped off and fresh applied. With rat-lime traps, however, the old lime should not be scraped off, but a little fresh lime added and stirred in. Varnish is useless in wet places or where there is much fine dust. It should be understood that the experience on which these recommendations are based was gained entirely within premises; practically no opportunity afforded itself for outside investigations. Attention is drawn to the following possibilities of failure out of doors:—

(a) If the feet of the rat become covered with moisture the adhesive matter will not hold sufficiently.

(b) If the varnish or lime trap is laid in a current of air, the draught may cause a hardening of the surface of the adhesive substance and will prevent the feet of the rat from sinking in sufficiently deeply to hold.

It should always be borne in mind that the baits used for rats should be different from the food the rats usually obtain and that a change of bait is sure to be of value. For example, in fish shops meat, cheese or bread should be used; in grain stores, warehouses or restaurants, bloaters, red-herring or cheese is effective.

Poisons

Baits containing barium carbonate or red squill, either as bulb, powder or liquid extract, are less dangerous than baits containing such poisons as arsenic, strychnine and phosphorus. It is advisable to use red squill in preference to other poisons on farms and in places where special care is necessary because of poultry, live stock, domestic animals or stored food supplies. The following are fomulas for preparing baits:—

(a) Barium carbonate (commercial) ..	3 parts	Make into baits each as large as a hazel nut.
Meal	8 parts	
Dripping ..	2 parts ..	
Salt	as seasoning	
(b) Barium carbonate (commercial)	1 part ..	Mix with fat to a paste and lay out in pieces the size of a hazel nut.
Biscuit or oat meal ..	4 parts	
(c) Barium carbonate (commercial)	2 parts ..	Thoroughly mix the ingredients. A bait is one dessert spoonful wrapped in a twist of tissue paper.
Fine castor sugar	4 parts ..	
Fine meal ..	4 parts ..	
(d) Squill (red powder)	2 parts ..	Crumble bread, mix ingredients to paste and apply as in (a) and (b).
Bread	3 parts ..	
Fat	3 parts ..	
Syrup	2 parts ..	

A trace of aniseed oil added to these baits often acts as an attraction.

Liquid extract of red squill is used by adding to it an equal quantity of boiled and cooled milk, and steeping in the mixture sufficient bread to form a thick paste. Lay the bait in saucers or tin lids in places frequented by the rats. If the extract is not readily procurable, a very good substitute can be made by simply mixing red squill powder into thick bread and milk, using 3 or 4 ounces to every pint of milk. When using poison baits, it is well to treat liberally at the first application, and to lay at least 10 times as many baits as the number of rats estimated to be present, i.e., for 10 rats lay 100 baits. It must be remembered, too, that rats are very suspicious, and if they find any number of their fellows die after eating any kind of food, they will avoid such food for some time. It will be as well, therefore, to vary the form and appearance of the poison bait at intervals. Thus, after using poisoned bread for a while, oatmeal, carefully treated, may be used. From interesting experiments recently carried out on behalf of the Ministry of Agriculture and Fisheries, the following general conclusions were arrived at:—

(a) Female rats are killed by doses of red squill approximately only half as great as those generally needed to kill male rats.

(b) The finer the red squill powder is ground the more toxic it becomes.

(c) The best red squill baits for general use are those made from a finely ground and completely dried product of the bulb itself.

(d) The average lethal dose for male and female rats is approximately, 0.50 and 0.27 gm. respectively.

(e) The white squill (used for medicinal purposes) is useless as a rat poison.

A series of experiments was also carried out with calves, sheep, pigs and rabbits, which were given red squill powder in their feed, and, in spite of the fact that they had been given no other food for the preceding twenty-four hours, it was found almost impossible to induce the animals to eat any appreciable quantity of the poisoned feed. It would appear, therefore, that on the grounds of palatability alone, there is little danger of such animals eating a sufficient

quantity of red squill baits to cause ill-effects. In those cases where the animals were induced to take the poison, it was found that unless a considerable quantity of the poison was consumed no ill-effects were noticed. Experiments with fowls showed that they took the poison more readily, but even then it was found that to kill a fowl required a dose between twenty and thirty times as large as that necessary to kill a rat.

Apart from the risk of a possible prosecution under the Acts which deal with the use of poisoned grain, meal, or meat, it is necessary when using poisons to take precautions to avoid injury to other animals or to human beings, for no rat poison, however "safe," can be regarded as absolutely free from all risk of poisoning other animals if they eat sufficient. The Protection of Animals Act, 1911, which restricts the use of poisoned matter, provides that it shall be a defence that the poison was placed by the accused for the purpose of destroying rats, and that he took all reasonable precautions to prevent access thereto of dogs, cats, fowls, or other domestic animals.

Rat viruses consist of cultures of microbes causing intestinal diseases in rats, which in some cases, at any rate, are infectious, the infected rat conveying the disease to his fellows through fouling their nests or food. The uncertainty with which this method is attended is due partly to the difficulty of securing a successful infection in all cases, and partly to the fact that, if only slightly infected, rats recover and thereafter become more or less immune to the disease.

Destruction by Fumigation

In banks, hedgerows, rubbish tips and in other places in the open, gassing may be employed in order to destroy rats, and, in the hands of skilled operators gives good results. This method is inadvisable in houses, and must be employed with great care wherever food is stored. For warehouses and stores, sulphur dioxide gas is perhaps the best agent, but in view of the damage to foodstuffs and materials it should be used only under careful instruction. For burrows in the open—hedgerows, banks, open sheds—carbon disulphide may be employed. A large wad of cotton wool, rags or similar absorptive material should be soaked with the liquid, at once inserted in one of the main burrows, and the outlets and inlets closed up. The liquid evaporates, permeates through the burrows and asphyxiates the rats. When disulphide is used care should be taken not to inhale it freely or in a confined space, as it is poisonous. The gas is highly inflammable, and therefore no naked light should be brought near it; the operators should on no account even smoke. Sulphur dioxide is equally efficacious and safer to handle. Acetylene generated from calcium carbide can, with care, also be used. Recent experiments have been made with calcium cyanide dust for fumigating rat runs. The dust should be blown into the holes of the runs with a "dusting" machine of the type specially constructed for the purpose, and the moisture of the soil, acting on the powder, will then generate hydrocyanic acid gas. Owing to the very poisonous character of the gas so generated, the utmost care is necessary in the use of calcium cyanide, especially in buildings.

Deterrents

In many cases the use of deterrents which tend to make the surroundings distasteful to rats is often very desirable, particularly in such places as slaughter-houses, refuse dumps, and in any accumulations of trade waste materials. A cheap and effective deterrent which can be applied in such cases is iron sulphate (green vitriol). The method of preparation is to dissolve one handful of the sulphate crystals to each quart of hot water (or 1 cwt. to 40 gallons). In addition a teaspoonful of crude carbolic acid may be added to this quantity of the solution, and the mixture can be made in large quantities and used very liberally. For the systematic treatment of freshly deposited household and trade refuse the deposits should be thoroughly moistened with the solution by means of a watering-can with a rose. If the solution is used liberally, especially in spring, it has the effect of destroying the maggots of the house fly in addition to making the potential food supplies of rats obnoxious. In addition, woodwork and masonry in places frequented by rats should be painted with the solution. In order that the material so treated should become thoroughly impregnated with the mixture it may be necessary to apply several coatings, but eventually the rats will gradually avoid the premises. In some cases the use of the liquid is not practicable, and in these instances a liberal dusting of powdered iron sulphate will be found effective in keeping rats away from the places so treated.

Other deterrents which can be used are silicate of soda (water glass) or a mixture of gas water and creosote on rags. Naphthalene, camphor and wild mint placed in sacks of seed corn tend to keep rats and mice at bay.

Deodorisers

If by mischance a rat should die in such a position that its carcass cannot be recovered without trouble, and a stench results, chloride of zinc will be found a good deodoriser, as it combines with and neutralises the offensive chemical products of putrefaction. If possible, a hole should be bored with a bit and brace in the vicinity of the supposed origin of the odour. Perfume, such as pine oil, can be added to the zinc chloride, which should be applied through the hole. A cork will close the orifice, and can be withdrawn from time to time to ascertain whether the nuisance has abated. Nitrate of lead (half a dram mixed in one pint of boiling water, added to a pail of cold water in which 2 drams of common salt are dissolved) makes a deodorant solution. A large cloth should be saturated in this solution and hung in the room in which the smell is prevalent.

Ordinary disinfectants such as lysol and carbolic acid powders can also be used for this purpose.

Business Changes

Mr. J. E. Clegg, chemist and druggist, is opening a pharmacy at 1 St. Mary Street, Weymouth.

The business of F. W. Stedman, chemist, 76 High Street, Ashford, Kent, has been removed to 87 High Street.

Mr. D. L. Lloyd, chemist and druggist, has acquired the business of Mr. James Cleghorn, chemist and druggist, Westmead Road, Sutton, Surrey.

Mr. H. E. Doughty (H. E. Doughty, Ltd.) has succeeded the late Mr. John Need, chemist and druggist, Lygon Pharmacy, Worcester Road, Malvern.

Mr. K. D. Stocks, chemist and druggist, has acquired the business of Mr. D. Webster, chemist and druggist, Runcorn Road Pharmacy, Barnton, Northwich.

Watsons Chemists (Forest Gate), Ltd., 103 Woodgrange Road, London, E.7, have acquired the business of Mr. F. G. Jordan, chemist and druggist, 80 Woodgrange Road.

Mr. Kenneth J. C. McLennan, chemist and druggist, has retired from the board of directors of Burgoyne, Burbidges & Co., Ltd., manufacturing chemists, East Ham, London, E.6.

Mr. M. E. Murray, chemist and druggist, lately of Murray's Pharmacies, Ltd., Leeds and Selby, has purchased the business of Mr. G. S. Tyler, chemist and druggist, 111 Hamilton Road, Felixstowe.

E. C. Tamplin & Son, chemists, 19 Eden Street, Kingston-on-Thames, have acquired the business of Mr. W. J. E. Gould, chemist and druggist, 1 Broad Street, Teddington; the business is being run as a branch under the name of W. J. E. Gould.

Trade Notes

THE value of colour in advertising may be judged from the increasing number of manufacturers who are using it in their announcements in the *C. & D.* This week, for example, apart from the cover, it will be seen that there are eight pages printed in red and black on buff paper. The wholesalers concerned are: STAFFORD ALLEN & SONS, LTD.; BARRETT PROPRIETARIES, LTD.; BEECHAMS PILLS, LTD.; BUTLER & CRISPE; THOMAS GUEST & CO., LTD.; LAX & SHAW, LTD.; POTTER & CLARKE, LTD.; SHADFORTH PRESCRIPTION SERVICE. Such enterprise denotes the keenness of those concerned to do business with chemists, who will find it worth while to reciprocate.

NEMBUTAL.—E. H. Spicer & Co., Ltd., Watford, state that the prices of Nembutal have not been altered.

THE Commercial Motor Transport Exhibition is to be held at Olympia, London, W., from November 5 to 14.

THE CUTEX BONUS OFFER is available until November 16. The distributors of these popular toilet products are J. C. Gambles & Co., Ltd., 211 Blackfriars Road, London, S.E.1.

RAT WEEK.—Chemists who are taking advantage of Rat Week are reminded that Rodine can be bought on best terms from the proprietor, Mr. Thomas Harley, chemist and druggist, Perth.

COTY SPECIALITIES.—Coty (England), Ltd., Coty House, 3 Stratford Place, London, W.1, inform us that in spite of the alteration in exchange rates they have decided that the prices of their perfumery products shall remain unchanged.

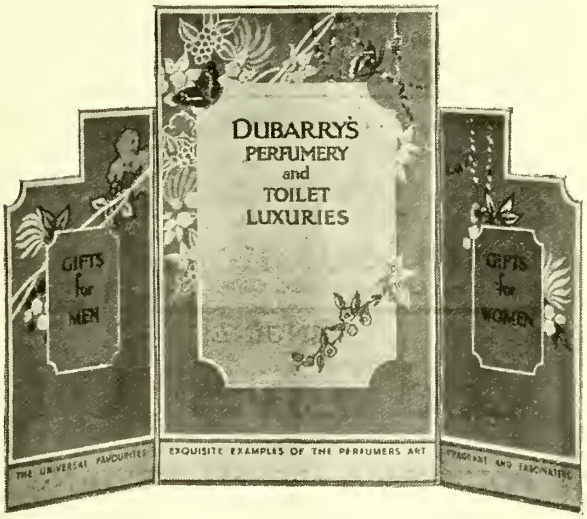
A TICKET ISSUING personal weighing machine designed on modern lines is illustrated in the advertisement of Autoway Co., 13 Wellington Street, Glasgow. Details of this apparatus will be forwarded to chemists who send in the form provided.

PETROLEUM PRODUCTS.—Silvertown Lubricants, Ltd., Minoco Wharf, West Silvertown, London, E.16, invite inquiries from manufacturers for medicinal paraffin, petroleum jellies, and other members of this series.

STAFF INSURANCE SCHEME.—Details of a new group life and pension scheme have been issued by the Standard Life Assurance Co., 3 George Street, Edinburgh. The benefits offered are comprehensive and generous from the point of view of the worker and economically sound from the standpoint of the employer. Such schemes are distinctly beneficial to industry in general, and we understand that the latest to take advantage of the Standard scheme is a well-known firm of manufacturing chemists in Sheffield.

THE SHOP FRONT shown in the photograph has recently been constructed for A. T. Honiatt & Son, chemists, Junction Road, London, N.19, by Philip Josephs & Sons, Ltd., chemists' shop-fitters, 90 St. John Street, Clerkenwell, E.C.1. This shop front forms a typical example of combining handsome appearance and utility in a busy thoroughfare. The shop is a corner one, and this has been used to enable a wide door to be put in for the convenience of those customers who bring their perambulators with them. The front is of bronze metal, the woodwork of solid mahogany, while the window slips with prominent writing and the handsome white facia with bold wood block letters form an attraction visible for a considerable distance. The window bottoms are of oak parquetry and plate-glass divisions make the window dressing extremely easy, since separate displays can be made up without disturbing a large and elaborately dressed show. Another feature is that the electric lighting is concealed behind the window tablets and thus floodlights the windows at night with the result of an added attraction to the prospective customers. It is of some interest to know that Messrs. Philip Josephs equipped this shop originally some sixty years ago.

DUBARRY ET CIE, Goldstone Laboratories, Hove, have sent us specimens of two highly artistic screen show-cards which they have brought out. The larger is shown in the illustration below. Although they are



specially designed for the festive season, the omission of any reference to Christmas on the screens makes them suitable for display throughout the year. Messrs. Dubarry have also issued a new gift list, in which the products are printed in actual colours. Copies of either of the above will be supplied on application.

XOROX.—H. R. Napp, Ltd., manufacturing chemists, 3 Clement's Inn, Kingsway, London, W.C.2, have sent us a sample of Xorox, a new preparation indicated in anæmia, debility, backward condition of children, and for use as a general tonic. The product is issued in the form of palatable tablets, which are easy to administer.

FAMEL SYRUP.—Wilcox, Jozeau & Co. (Foreign Chemists), Ltd., 15 Great St. Andrew Street, London, W.C.2, elsewhere in this issue, show the remarkable increase in sales when Famel syrup was advertised in Lancashire last winter. This proprietary, which is sold only by chemists, is to be nationally advertised this winter.

THE PHIL-SANO CO., LTD., Craven House, Kingsway, London, W.C.2, are offering a cushion-shaped toilet soap wrapped in cellophane. These tablets, in boxes of half-a-dozen, are inexpensive and excellent value. They are available in a variety of perfumes.

FROZOCLONE PRICE REDUCTION.—R. Demuth, 68 Salusbury Road, London, N.W.6, announces reduced wholesale prices for Frozoclone. The retail prices remain unchanged. Artistic show material for this well-known British product will be sent to chemists who ask for it.

CARRIER CYCLES.—The Raleigh Cycle Co., Ltd., Nottingham, make two models of carrier cycles—the Standard and the Low Gravity. These machines are specially designed for the purpose for which they are intended, and are not simply converted bicycles. So far as strength of construction and hard wearing is concerned, Raleigh carriers have evidently been built to withstand the destructive capabilities of their habitual riders. The prices of both models have lately been reduced and are now £7 and £7 10s. respectively. The latter has a smaller front wheel, which permits a larger basket and gives greater stability.

BRITISH EMPIRE TRADE INDEX.—In the British Empire Trade Index, just published by Business Dictionaries, Ltd., 8 and 9 Johnson's Court, London, E.C.4, will be found a comprehensive guide to Empire trade that cannot fail to be of the utmost value. With an annual guaranteed circulation of 25,000 copies, it is distributed to appropriate Government Departments, Chambers of Commerce and trade organisations throughout the Empire. Names of firms interested in import and export trade are given both in alphabetical order and under trade headings, together with telegraphic and cable addresses, etc. There is also a brands and trade marks section, whilst the illustrated articles, compiled with official assistance, dealing with the trade conditions and resources of the various Dominions, give to the British Empire Trades Index more than ordinary importance and authority.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," October 14, 1931.)

"GIBSON DEFIES GOUT" on oval design of man standing on packages and holding bottle ("Gibson Defies Gout" disclaimed); for gout and rheumatism medicines, liver pills and eczema ointment (3). By W. H. Gibson, Ltd., 15 St. George's Road, Wimbledon, S.W.19. 523,491.

"MEDACID"; for medicinal chemicals (3) and for surgical instruments, etc. (11). By Taylors' Drug Co., Ltd., 347-359 Burley Hill, Leeds. 524,251/252. (Associated.)

"EADE'S CELEBRATED PILLS" on device of globe ("Eade's" disclaimed); for pills (3). By George Eade, Ltd., 232 Goswell Road, London, E.C.1. 524,792. (Associated.)

"PASTORA"; for medicated jujubes and lozenges (3). By T. Kerfoot & Co., Ltd., Bardsley Vale Mills, Lancashire. 524,974.

"RETEXO"; for medicinal chemicals (3). By E. Stamp, 44 Willoughby Road, Hampstead, N.W.3. 525,666.

"DIGIGLUSOL"; for all goods (3). By May & Baker, Ltd., Church Road, Battersea, S.W.11. 525,779.

"BENAMOR"; for perfumery, etc. (48). By J. N. Da Fonseca, Jnr., 185 Campo Grande, Lisbon. 524,194.

"IOBRINE"; for bath salts extracted from seaweed (48). By H. C. Fairlie & Co., Ltd., Camelon Chemical Works, Falkirk. 524,318. (Associated.)

"JOHANN MARIA FARINA GEGENUBER DEM JULICHS-PLATZ" on oblong device incorporating conventional flower, etc.; for eau de Cologne (48). By Johann Maria Farina Gegenüber dem Jülichs-Platz, Cologne. B 524,812.

APPLICATION AMENDMENT

According to "The Trade Marks Journal" of October 14, 1931, the specification for "MU-COL" in Class 3, No. B496,339, by The Mu-Col Co., has been amended to "An antiseptic medicine in powder form for human use."

(From "The Trade Marks Journal," October 21, 1931.)

"LYPENE"; for a disinfectant (2). By F. C. Calvert & Co., Ltd., Gibbon Street, Bradford, Manchester. 524,324.

"MODIMAC"; for chemicals (2). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted. 525,851.

"SANVIA"; for tonic medicines (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 524,090.

"SOMAX"; for a pain alleviating medicine (3). By H. Green, 70 Pall Mall, London, S.W.1. 524,526.

"LOCOS"; for medicinal chemicals (3). By London Co-operative Society, Ltd., 54 Maryland Street, Stratford, E.15. 524,189.

"CODLIVOIDS"; for cod liver oil preparations (3). By Murray Brothers, 107 Clifton Street, Manchester. 524,758.

"RHODAFORM"; for medicinal chemicals (3). By Kali-Chemie A.G., 10 Reichstagsufer, Berlin, N.W.7. 525,534. (Associated.)

"GERMORT"; for medicinal chemicals (3). By T. D. Rees, 79 Merthyr Road, Whitchurch, Glam. 525,607.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

M/2610. Abbott's disinfecting fluid
M/2610. Amarley iodised crystals
M/2610. Aspin's beetle paste
S/2610. Glyco Silicon (London source)
N/2210. Kaybo or Laybo floor dressing
A/2610. Octogene
L/2810. Philacomb hair tonic (Parfumerie Chine)
R/1510. Prophylactic tooth brushes, marked "Best London Made"
S/1910. Pulmin
D/2610. Storcroft's cough mixture
E/2210. Sulphurol

THE
CHEMIST AND DRUGGIST
VOL. CXV OCTOBER 31, 1931 NO. 2699

Government Chemist's Report

In these days of enforced economy the annual "Report of the Government Chemist upon the Work of the Government Laboratory for the Year . . . , with Appendices," might well be curtailed. True, the cost at the Stationery Office is only ninepence, but a certain amount of routine detail might be condensed into a smaller space. The report before us, covering the year ended March 31, 1931, is a case in point. Reference to our account of the corresponding report of a year ago (*C. & D.*, 1930, II, 584) shows that the introduction of a new spirit hydrometer and various substances used in denaturing offal tobacco were there referred to in words almost, if not exactly, identical with those of this year's report. A decrease of 27,960 in the total number of samples examined (517,462 compared with 545,422 in the previous year) is recorded; this decrease reflects "the present depression in industry generally." Turning to individual items, 114 samples of sheep dip were examined, of which twenty were found to be defective. The analysis of sea water, though hardly of general interest, has an international function to fulfil, the data obtained being used by hydrographers and biologists all over the world. Samples taken under the Fertilisers and Feeding Stuffs Acts and the Merchandise Marks Acts came out so well as not to need further remark. On the other hand, fifty-one samples out of 1,803 of beer and materials used in brewing contained arsenious oxide in slight excess of the limit laid down by the Royal Commission on Arsenical Poisoning (0.01 gr. per lb. in solids or per gallon in liquids). The short section of the report (twenty-one lines) devoted to the Dangerous Drugs Acts (misprinted "Act") contains the ambiguous statement that of eighty-six samples examined one contained a greater proportion of morphine than the permitted limit and "the remaining samples in many cases contained scheduled dangerous drugs in proportion within the limits allowed."

Spirits and Cinematograph Films

The number of medicinal preparations tested (exclusive of those examined for departments other than the Board of Customs and Excise) was 187; the results of the tests are not stated. Spirits, as usual, provide an important proportion of the total statistics. Samples of wood naphtha (including other crude methyl alcohol and mineral naphtha) numbered 670; of denaturants, residues from stills, etc., 2,214; of tinctures, hair washes, and so forth, 15,114; of imported spirits, 11,377; and of miscellaneous preparations, 962. Claims for rebate and other applications amounted to 3,327. On a search for saccharin being made in 229 imported substances, it was found in "a large proportion"; in addition, 411 samples of saccharin and of articles containing it were examined for the purpose of assessing drawback. Of 177 samples of imported condensed milk taken, thirty-nine were reported against; all but ten of these defective samples failed in the matter of labelling. A report of an investigation of cinematograph films contains the following passage:—

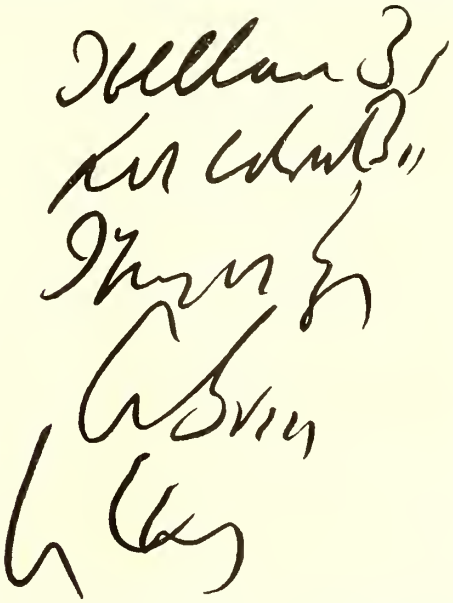
> An investigation was undertaken into the causes of the deterioration of cinematograph films of national importance and into the question of the restoration and preservation of such films, and a report was submitted at the completion of the investigation. Examination of the celluloid base of the films showed that it was in good condition despite a little deterioration. It was not responsible for the damage and discoloration of the silver image of the picture. Retention of silver salts in the gelatin was the cause of most of the deterioration, and this retention arose from imperfect washing of the films whereby "hypo" was left in the film, or to the use of weak or exhausted "hypo." No doubt the reason for these defects lies in the rapidity with which it is frequently considered necessary to put films into circulation, but the inevitable result is to produce darkening and staining of the high lights or else dissolution of the residual silver with subsequent blurring of the image. It was suggested that inefficient washing machines should be discarded, and improved methods of washing were advocated, especially incorporating the use of a final treatment with fresh "hypo" and subsequent washing.

All of the 173 samples of lime juice and lemon juice for the Mercantile Marine were approved, but two out of fifty-eight samples fortified with rum proved to be unsuitable for use. These are the salient facts of a report indicating sustained vigilance and expert knowledge of the problems to be solved.

Prescription Problem

The Editor will be glad of the loan of original prescriptions for this column, together with the correct transcription.

Our next problem is given below. Exact transcriptions of the prescription are invited on postcards only (one attempt), which should reach the Editor, The



Chemist and Druggist, 28 Essex Street, London, W.C.2, not later than the first post on Monday, November 9. Prizes will be awarded at the discretion of the Editor.

Pharmaceutical Society of Ireland

Annual Meeting

THE annual meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 5.

RESULT OF COUNCIL ELECTION

The first business in the agenda, after reading of the minutes of the previous meeting, was the submission of the report of the scrutineers on the Council election.

[The votes were given in THE CHEMIST AND DRUGGIST of October 10 (p. 444).]

The PRESIDENT declared Messrs. McKnight, O'Rourke, Parkes, Gleeson, Dwyer, Cremen, and Ronaghan elected.

PRESIDENT'S ADDRESS

The PRESIDENT, in the course of his presidential address, stated that this had been a record year from every point of view. The finance was in a very healthy condition; their membership had attained a record number—it had been down the previous year—and they had introduced various changes which, he thought the members would agree, were for the better. During the year they had lost a valued member of the Council, Mr. T. J. Doyle. Mr. Doyle was a man whose opinion one could always respect. He was fearless, straightforward and charitable. He was secretary of the Benevolent Fund, and much of the success of the Fund was due to his work. Personally, he (the president) felt Mr. Doyle's loss very much, because he was a great friend of his, and he had had the honour of proposing him for the Council on one historic occasion.

During the year they had a pretty strenuous time. The Veterinary Bill caused them an amount of worry, as Section 45, if it had passed, would have deprived country chemists of a great deal of their business He assured them that the Council were quite alert in the matter, and they left no stone unturned to have the objectionable Section removed in the Dail. He was glad to say that it was removed. One of their members, Mr. P. Kieran, introduced the Scholarship Scheme. This scholarship was meant to encourage apprentices; and he hoped that every lady and gentleman who had apprentices would get them to enter for the next examination. The prizes (the first £10 10s., and the second £5 5s.) were to be remitted from the fees of the Final examination. He was glad to say that they had a very favourable entry for the first examination, and he hoped next year the number of entries would be increased. They had also in hand at the moment an up-to-date Herbarium. In this they hoped to have every materia medica specimen, and also a cross-section specimen of every natural order. A set of six microscopes would be available for students. The fee for this for students would be a nominal one, and they hoped to appoint demonstrators from the students themselves. He might add that the idea of this originated through their botany lecturer, Mr. Arthur Collins. Mr. Collins had worked very hard to get the Herbarium in order, and he had no doubt whatever that it would be a great boon to students and a great success.

The Council had dealt with all the business in a very capable manner, and it was a pleasure to him to be associated with such loyal colleagues. If they differed on points it was all for the good of pharmacy; he was glad to say that invariably they struck the right note, and he looked back on the year with the happiest of memories. He did not intend to boast of what the vice-president (Dr. Michael Ryan) and himself had done. He would not bother them with figures. All he had to say was that the capital of the Society was greater, the number of members was greater, the income of the Society was greater, the Benevolent Fund had over £140 added to it in the last year. They had had the most successful dinner ever held in the history of the Society. They had fitted up the office with all the latest inventions of science designed to bring the equipment up to date. They had constructed an Herbarium for the use of the students, which they had had an opportunity of seeing that evening, and all these things had been done out of revenue. He wished to pay a tribute to their staff; to the professors, under whose care their schools had prospered so well; to their examiners, whose painstaking fairmindedness was appreciated by all their candidates; and to the president's right-hand man, their registrar. He thanked them for their kind attention, and he hoped that when the next presidential address came along the Society would still have maintained the progress that it had shown during the record year, 1930-31, in which he had the honour of being president. He thought that in duty to his colleagues he was bound to resign, and he intended doing so next Tuesday. "They were men," continued the president, "for whom I had a great respect They had worked very hard in the interests of the Society. I hope the new Council will do quite as well, and, as a matter of fact, I am sure they will. But, nevertheless, they have got their work cut out. As I have said to you before, my colleagues have been very loyal to me, and I am afraid that I would be lacking in manhood if I was not loyal to them." (Applause.)

FINANCIAL REPORTS

Mr. PATRICK BROOKE-KELLY (treasurer) submitted his report in reference to the finance of the Society. He mentioned that the surplus income for the year amounted to £432, compared with £32, the previous year's figure. There was an increase of £88 in the members' subscriptions this year, while the net income from examinations showed an increase of £292. Income from rents, dividends and sundries showed an increase of £31, and the net income from schools showed an increase of £73. Investments showed an increase of £694 1s. 9d. on the 1930 figures, being the cost of £200 Bank of Ireland Stock purchased during the year. The capital now stood at £7,617 5s. 8d., the figure on September 1, 1930, being £7,185 5s.

Mr. J. J. ROCHE (treasurer of the Benevolent Fund) stated that the Fund now amounted to £850, an increase of £150 from the previous year. There had been no disbursements. This was due to the policy of the Benevolent Fund Committee that until the capital reached £1,000 they would not interfere with it. £1,000 would give roughly an income of £50 a year, and this, together with the annual subscriptions to the Fund, would place them in a position of dealing with applications.

On the motion of Sir THOMAS ROBINSON, seconded by Mr. WARWICK, the accounts were adopted.

IRREGULAR MOTIONS

Mr. JOHN GLEESON moved, in accordance with notice of motion: "That no examination be accepted in lieu of the Society's Preliminary examination."

The PRESIDENT said he had to rule that motion out of order. Mr. Gleeson was usurping the functions of the Council.

Mr. WILLIAM C. MEEKE (law adviser to the Society) said that by the Statute the conduct of the Society for the purposes of the Act was given to the Council. The annual meeting had no control over the Council except at the polls, and any notice of motion proposed at the annual meeting of the Society which in any way directed the Council or interfered with the action of the Council was wholly illegal and absolutely void. Even supposing that a resolution was proposed in the form: "That this meeting recommends that no examination be accepted in lieu of the Society's Preliminary examination," and it was seconded and carried unanimously, there was no legal obligation to put such a resolution on the agenda for the Council.

Mr. J. A. O'ROURKE asked whether it was a fact that at the annual meeting they could not pass any-

thing or direct anything to be done, and could only take part in a formal discussion.

Mr. MEEKE said the functions of the meeting were confined to two things. One was to receive the declaration of the poll, and the other the treasurer's report. Outside that the annual meeting had no legal status whatever, and any discussion that took place at the annual meeting was a purely academic discussion to which the Council might or might not give way. The only control over the Council was at the poll. The majority of the notices were out of order.

Mr. GLEESON proposed a resolution to the effect that the meeting recommended to the Council that no examination be accepted in lieu of the Society's Preliminary examination.

Mr. O'ROURKE seconded the resolution, which, after some discussion, was withdrawn by Mr. Gleeson.

The next motion on the agenda was in the name of Mr. John J. Smith: "That the question of apprentices and the Society's examinations be discussed."

Mr. SMITH, in proposing it, suggested that a committee of the Council with the registrar be set up for the purpose of going into the matter and advising as to the number that should be allowed to enter the business of pharmacy sufficient to meet its requirements.

The PRESIDENT: I am sorry I must rule you out.

Mr. O'ROURKE asked if Mr. Smith could propose a resolution that the meeting recommend the Council to set up some kind of body to go into the matter.

The PRESIDENT (to Mr. O'Rourke): You are in the Council and you can bring the matter up.

Mr. MICHAEL O'ROURKE proposed two lengthy resolutions on the subjects of (1) advertisements of contraceptives, and (2) the contract with the official organ of the Society. After a brief discussion, in which the PRESIDENT, Mr. P. G. BOURKE, Dr. J. A. WALSH, and Mr. J. A. O'ROURKE took part, the first of them was adopted unanimously and the second was adopted after certain words had been deleted.

THE PHARMACY ACTS

Mr. P. G. BOURKE proposed, in accordance with notice of motion, "That this meeting shall discuss the question of the addition of safeguarding regulations to the existing Pharmacy Acts."

A long discussion followed, in the course of which Mr. P. KIERAN paid tribute to the services of the members of the Council who had retired by rotation, and Mr. JOSEPH GORRY, one of the retiring councillors, expressed the hope that the Council would prosper and that the young pharmacists who had been elected that day would be a great help to it.

Mr. BOURKE adopted the president's suggestion that Mr. J. A. O'Rourke should bring up the subject-matter of the resolution at the Council meeting.

THE DRAFT PHARMACY BILL

The PRESIDENT ruled that three resolutions which stood on the agenda in the name of Mr. J. A. O'Rourke were out of order. The first of these proposed that a general meeting of the members of the Society be convened to ratify, amend or alter the proposals in the draft Pharmacy Bill. The second provided that the proposed meeting, if a majority of members so decided, should go into committee to discuss the Government proposals. The third arranged for sending a resolution concerning the matter to the Press and to such persons as the meeting directed.

The PRESIDENT said he saw the suggestion that some member of the Legislation Subcommittee should answer questions. The draft Pharmacy Bill was taken up in the Metropole Hotel, and was discussed there under the chairmanship of Mr. Fitzpatrick. It was through Mr. Fitzpatrick and the Legislation Subcommittee that the draft Bill was sent to the Government, and he (the president) had nothing to do with it.

Mr. O'ROURKE: That Bill was not published, it was read. You have ruled me out of order. I did not intend it as anything personal in asking questions about the Bill.

Mr. FITZPATRICK: Mr. Fitzpatrick was captain of a team. I stood behind my team. I have never disclosed anything that was in an official document.

Mr. O'ROURKE referred to the desirability of advising the Government with regard to certain dangers to the general well-being of the State.

NEW ASSOCIATIONS PROPOSED

Mr. P. J. KILLACKY proposed: "That this annual meeting advises members to form country or provincial associations of chemists with a view to sending deputations to the Council and to the Government concerning the proposals for the sale of agricultural and horticultural poisons."

The PRESIDENT said he was in agreement with Mr. Killacky. He himself had gone a little further. He was in Tramore this year, and they had a very nice gathering covering Limerick, Waterford, Cork, and the surrounding districts. It struck him: Why could not the West and the North be also organised? He went to Galway, and before he left there they had formed a committee representing pharmacists from all over the West of Ireland. They also went to Dundalk and laid the seeds. At the back of his head he had the idea that they should have an Irish Pharmaceutical Conference.

Mr. CORNELIUS CREMEN seconded Mr. Killacky's resolution, which, after a discussion, in which Mr. HITCHINSON and Mr. MCMAHON took part, was passed unanimously.

The following motion, which stood on the agenda in the name of Mr. Eugene Ronaghan, was ruled out of order: "That any motion or resolution passed at an annual meeting of the Society shall be binding on the Council until rescinded at an annual meeting or at a general meeting summoned for that specific purpose. In either case notice to rescind shall appear in the agenda."

RECIPROCITY DISCUSSED

Mr. F. J. FITZPATRICK proposed, in accordance with notice of motion, "That this annual general meeting of the members of the Pharmaceutical Society of Ireland confirms the decision of the All-Ireland Conference of Pharmaceutical Chemists, held in the Metropole Ballroom, Dublin, on January 11, 1928, 'That reciprocity is not desirable,' and places on record our decision—that the Council of the Pharmaceutical Society of Ireland has no mandate from the members to seek power in the proposed Pharmacy Bill."

Sir THOMAS ROBINSON seconded the motion, and said he was rather pleased to get the opportunity of doing so.

The PRESIDENT said he did not agree with Mr. Fitzpatrick when he said that the conference turned down reciprocity as not desirable. They had an opportunity of placing in the Bill a provision asking for powers to grant reciprocity. He did not say that they wanted reciprocity. It had been put through the country that they wanted reciprocity. "In one issue of THE CHEMIST AND DRUGGIST," continued the president, "it was stated by some anonymous correspondent that I and my friends were in favour of reciprocity with Northern Ireland and Great Britain. I say that is a falsehood." Proceeding, the president said that his friends and he were honest in their views. They went out to the country and said: "You do not want reciprocity now, but we are legislating for future generations. In the years to come there might be an Irish pharmacist who, for health reasons, wished to go to South Africa or to some other country. If such a man appealed to the Council of the Pharmaceutical Society of twenty years hence and said he wanted to go to South Africa to make a living there, would it not be a very queer thing, if this man appealed to the Council to enable him to get a living in South Africa by granting reciprocity to South Africa, that the Council should not be in a position to grant it?" He (the president) did not want reciprocity himself. He had the courage of his convictions.

Mr. P. G. BOURKE: We have sponsored "No Reciprocity." We were against reciprocity in any direction.

The PRESIDENT: You were entitled to your views. I went to the country in a straightforward manner as an honest man, and I hope I will remain that always. I am quite satisfied about it.

Mr. Bourke: Anything without a name over it should be ignored.

The President: I am quite satisfied that no member elected to-day approved of it.

Sir Thomas Robinson: From the first day I heard of reciprocity I opposed it tooth and nail.

In the course of further discussion Mr. Fitzpatrick stated that the only objection to reading an article from an Irish paper was that that journal was not the official organ of the Society, and a leading article represented the opinion of the editor.

The Registrar read the extract to which the president had referred.

Mr. Hutchinson advocated giving the Council power to exercise reciprocity in a restricted form, and suggested that the Council should be in a position to deal with such a case as that mentioned by the president. "I think," said Mr. Hutchinson, "we will increase the standing of our profession by getting power to grant reciprocity, and if we don't get it now we never will get it." (Applause.)

Mr. J. A. O'Rourke said he went to the country on the ticket that the members of the Society would not give the Council power to grant reciprocity, restricted or otherwise. It should be no part of the policy of the Society to make it easy for any man to get out of the country. Their own population was sufficiently small without offering their licentiates opportunities of going abroad. They were against leaving it in the hands of the Council to deal with a matter of this kind. A plebiscite should be taken of all the members in Ireland. (Applause.)

Mr. Thomas J. Smith supported the view taken by Mr. O'Rourke, and said that if one of their men had occasion to go to South Africa he would not starve. He would be able to act as a pharmaceutical assistant.

Mr. McMahon also spoke against granting reciprocity.

Mr. P. Kieran said he did not give two pins for or against reciprocity. He thought a referendum should be taken of the licentiates and associates in the Free State.

Further discussion followed in which the President, Mr. Fitzpatrick, Mr. Bourke, Mr. Michael Smith, Mr. Bates, Mr. Kieran, Mr. T. J. Smith, Mr. Parkes, Mr. J. A. O'Rourke and Mr. Hutchinson took part.

Mr. Hutchinson proposed as an amendment to Mr. Fitzpatrick's resolution the following:—

"That a referendum of members and associates be taken, that the Pharmaceutical Council seek powers under the new Act to give them the right, subject to the approval of the members and associates resident in the Free State in each case, to grant reciprocity."

Mr. Coffey seconded the amendment, which, on a show of hands, was defeated by a large majority.

Mr. Kieran proposed, and Mr. J. Fitzpatrick seconded, as a further amendment to Mr. Fitzpatrick's resolution, the following:—

"That a referendum of members, associates and licentiates resident in the Free State be taken for or against the Council seeking powers of reciprocity with outside pharmaceutical societies."

This amendment was also defeated by a large majority, and the resolution proposed by Mr. Fitzpatrick was carried by a large majority amid applause.

A further resolution on reciprocity, standing in the name of Mr. M. J. Parkes, was ruled out of order.

Votes of Thanks

Sir Thomas Robinson proposed a vote of thanks to the president and to the treasurer (Mr. Patrick Brooke-Kelly). No one, he said, could have given more of his time, energy and ability than Mr. Nugent had given to the work of the Society for the last year. The number of committee meetings held was rather extraordinary, and the attendance of Mr. Nugent had also been extraordinary. Anyone who undertook the duties that Mr. Nugent had undertaken must be absent a great deal from his own business. He proposed that a vote of thanks be given to Mr. Nugent for his work during the year, and for his conduct of that meeting; and he included in the vote of thanks Mr. Brooke-Kelly, who had taken an intense interest in the accounts of the Council.

Mr. P. G. Bourke seconded the vote of thanks, and said that although they might differ with Mr. Nugent on these points, they were very much enlightened by Mr. Nugent's views on certain matters. The difference was not very serious, and it was merely a matter for discussion.

Sir Thomas Robinson said he begged to add the name of the vice-president (Dr. Michael Ryan) to the vote of thanks. He put the vote of thanks, which was passed with acclamation.

The President, acknowledging the vote, said he was deeply grateful for it. He assured them that he had no personal animosity against anybody—he never had in his life. He had very loyal colleagues, and if they had not been standing by him he could not have done anything. He thanked them on behalf of the vice-president, who had gone. He assured them from his personal experience that no man could have the interests of pharmacy more at heart than Dr. Michael Ryan. Dr. Ryan had been morning, noon and night at the disposal of pharmacy.

On the motion of Mr. Bourke, seconded by Mr. M. O'Rourke, a vote of thanks was accorded to the registrar (Mr. J. J. R. Kerr); and on the motion of Mr. J. A. O'Rourke a vote of thanks to Mr. Meeke, the law adviser, was passed.

The Attendance

Amongst those present at the meeting were:—Dr. A. J. Walsh, Messrs. Eugene McMahon, M. Smith, J. J. O'Hara, C. J. Cremen, Alec Boles, P. C. Cahill, John J. Smith, James A. O'Rourke, John J. Gleeson, M. J. Parkes, Michael O'Rourke, P. G. Bourke, H. J. Sumner, J. T. Dwyer, Eugene B. Alpin, G. H. Batt, W. H. Roche, Gerald Byrne, M. O'Donnell, F. J. Fitzpatrick, James Duggan, W. Jones, W. M. Birmingham, T. C. Scott, M. V. Sargent, M. J. Butler, P. Kieran, P. J. Barry, E. Murphy, John J. Roche, M. J. Kieran, C. Smullen, Thos. R. Bourke, T. J. Smith, Victor E. Hanna, K. Bourke, M. J. Mulreany, Geo. C. Hewson, M. J. O'Callaghan, P. P. Buckley, F. Doyle, P. F. McGrath, J. J. McGlynn, N. B. Noyk, S. H. Rosenthal, T. W. Campion, T. Costelloe, J. Fitzpatrick, Edwd. McManus, John Lawless, Wm. B. Coughlan, D. Warwick, J. J. Robinson, D. G. McGahie, A. Maher, Ignatius F. Keogh, P. J. Killachy, Francis Maher, Gerald C. O'Neill.

Council Meeting

The October meeting of the Council of the Pharmaceutical Society of Ireland was attended by all the twenty-one members.

The retiring President (Mr. Denis J. Nugent), who presided at the outset of the meeting, bade the new members a hearty welcome. He assured them that their colleagues would help them along.

Election of President

Mr. Nugent said that, as he had stated at the annual meeting, he was not seeking re-election. He had great pleasure in proposing that Mr. Brooke-Kelly (treasurer) be elected president. He had been associated with Mr. Brooke-Kelly for many years on the Council, and he could conscientiously say that he did not know of any man who had worked harder in the interests of pharmacy than Mr. Brooke-Kelly had done. He was a gentleman of great culture, and he had the greatest admiration for him.

Mr. C. Cremen seconded the election.

Dr. J. A. Mitchell, in proposing the election of Sir Thomas Robinson as president, said he believed he himself was one of the oldest members of the Council. He hoped Mr. Brooke-Kelly would not regard him as having anything against him. He had the greatest regard for Mr. Brooke-Kelly, and looked upon him as a very esteemed friend. Sir Thomas Robinson was vice-president of the Society between thirty and forty years ago, when he was a very young man. It was a matter which he (Dr. Mitchell) believed should be known to everybody in the room that until the Pharmacy Bill became law the president of the Society should

be a man who lived in Dublin, because it was there that the law adviser and the Council interviewed members of the Government and advised them as to matters which the present president knew all about. They all knew what Sir Thomas Robinson had done for pharmacy and what his name had been in pharmacy. He had been in the present Council for many years; he knew everything in connection with the Pharmacy Bill; he had spent very many years with the rest of them in that room from eleven o'clock in the morning until six in the evening with merely an interval for lunch; and he was in the hands of the Council in anything he said or did. He would be an ornament to the Society and an ornament to the chair.

MR. P. BROOKE-KELLY

Mr. DAVID WARWICK said it gave him great pleasure to second the proposal. He could assure Mr. Brooke-Kelly that, in doing so, he had no disrespect to him. He thought the Council would do itself very great honour in having Sir Thomas Robinson for their president during the coming year.

MR. P. J. FIELDING said that, as a provincial member, he would like to support Sir Thomas Robinson for the presidency. He hoped Mr. Brooke-Kelly would not misunderstand. But he thought that in the circumstances provincial members were not wanted this year. Sir Thomas Robinson was the oldest pharmaceutical chemist on the Register—he was longer on the Register than anybody on the Council. That fact, he thought, should warrant them in supporting him.

On a division there voted for Mr. Brooke-Kelly—Messrs. J. F. Costello, Timothy Costelloe, C. J. Cremen, J. Gleeson. M. J. Kieran, P. Kieran, P. Liston, J. McCormack, D. J. Nugent, J. A. O'Rourke, M. J. Parkes, E. Ronaghan and T. J. Smith—thirteen. For Sir Thomas Robinson—Messrs. J. T. Dwyer, P. J. Fielding, W. J. McKnight, David Warwick and Dr. J. A. Mitchell—five. The following did not vote—Mr. F. J. Fitzpatrick, Mr. Brooke-Kelly and Sir Thomas Robinson—three.

Mr. Denis J. Nugent left the chair, and Mr. Brooke-Kelly, the newly elected president, took it. Mr. Nugent fixed the badge of the Society with the ribbon attached around the president's neck, and said he had great pleasure in investing him with the chain of office. He wished him the very best of luck and hoped that he would have a very successful year of office.

Mr. BROOKE-KELLY, returning thanks for his election, said he would endeavour to preside in the most impartial manner. He was really overwhelmed with the honour that had been bestowed upon him.

Sir THOMAS ROBINSON said he would like, with the permission of the president, to thank the members of the Council who had had the courage to vote for him under the extraordinary circumstances. He had known perfectly well that it was a hopeless case, but he thought that it was desirable, in the interests of pharmacy, that there should be a record of the election on the minutes. It had not been a pleasure to him personally to have allowed his name to go forward. It was for a very much bigger cause. He hoped that they would no longer see on the Council the petty squabbles and differences of opinion that had very often marred their proceedings in the past. (Applause.)

OTHER OFFICERS AND COMMITTEES ELECTED

On the motion of Mr. GLEESON, seconded by Mr. LISTON, Mr. C. J. Cremen was unanimously elected vice-president of the Society.

Mr. CREMEN: I thank you very much.

On the motion of Mr. RONAGHAN, seconded by Mr. PATRICK KIERAN, Mr. Timothy Costelloe was unanimously elected treasurer.

On the motion of Mr. NUGENT, seconded by Mr. WARWICK, Mr. Robert J. Kidney, F.S.A.A., was unanimously re-elected auditor.

The election to the different committees also took place.

CORRESPONDENCE

The registrar (Mr. J. J. R. Kerr) submitted letters from May, Roberts & Co., Ltd., and from A. de St. Dalmas & Co., Ltd., on the subject of contraceptives.

THE OFFICIAL ORGAN DISCUSSED

Mr. O'ROURKE moved, in accordance with notice of motion: "That the agreement with the publishers of THE CHEMIST AND DRUGGIST, the official organ of the Society, be terminated, and the Council enter into an agreement with the proprietors of 'The Irish Chemist and Druggist' to make it the official organ of the Society."

The registrar read a letter from the manager of "The Irish Chemist and Druggist," and a letter addressed to Mr. Nugent from Morgan Brothers (Publishers), Ltd.

Mr. O'ROURKE said he thought that letter was very satisfactory. But even so, they ought to support their own industries. If "The Irish Chemist and Druggist" were made the official organ of the Society, it would be published fortnightly, it would give more local news, and it would help to give a little more employment in Dublin. From the national point of view, it was necessary to have their own official organ. He did not think that it was desirable to have as their official organ a journal published in London, when they had a journal published in Dublin which could meet all their requirements.

Mr. PARKES seconded Mr. O'ROURKE's resolution.

Sir THOMAS ROBINSON said there was a strong case for the resolution. A journal published in Dublin was really deserving of support. A local journal would publish interesting news for the Irish members, and he thought that "The Irish Chemist and Druggist" undertook also to publish market reports for the members regularly.

Mr. NUGENT said "The Irish Chemist and Druggist" had agreed to give a fortnightly issue. He always sought personally to support Irish industries.

Sir THOMAS ROBINSON said he thought he was in the Council at the time when a *questionnaire* was sent out to each of the members of the Society asking for a vote as to whether they would change from the "Pharmaceutical Journal" of that period to THE CHEMIST AND DRUGGIST, and there was an overwhelming vote from the members for THE CHEMIST AND DRUGGIST.

Further discussion followed, in the course of which Mr. SMITH said they should have a definite written guarantee that "The Irish Chemist and Druggist" would be a fortnightly journal. Otherwise it should not be accepted as the official organ.

Mr. WARWICK suggested that the matter should be referred to a committee. The motion was referred to the House and General Purposes Committee.

A LEGISLATIVE PROPOSAL

Mr. J. A. O'ROURKE proposed: "That the Council send a resolution to the Minister for Justice urging the Government to introduce legislation to prevent the importation, manufacture or sale of contraceptives in Saorstat Eireann." He said they all now understood that as far as the chemists' business was concerned the sale of these matters was non-existent. The danger lay in outside bodies selling them. The chemists were an organised body within the State, and it was their duty to call attention to the dangers that threatened.

Mr. NUGENT said he was quite in agreement with the resolution. They had instructed their law adviser to proceed to take steps to have a clause inserted in the Pharmacy Bill making it illegal to sell contraceptives in any shape or to import them. He suggested that it was not wise at the moment to force the hands of the Government.

Mr. O'Rourke said he had no intention of forcing the hands of the Government. He would withdraw the motion for the present.

Mr. Nugent: I will support Mr. O'Rourke any time he brings it up.

Registrations

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:—Miss Jennie O'Donnell, Messrs. McD. Walsh, Michael Degan, Aloysius E. Dignan, Patrick Kennedy, D. W. Moore.

Dr. T. G. O'Brien, Stoneyford, co. Kilkenny, submitted the L.A.H. certificate and desired registration as a pharmaceutical chemist. The application was granted.

Reports from Committees

Reports from the following committees were received and adopted:—The Law Committee, the House Committee, the Schools Committee, the Certificates and Declarations Committee, and the Benevolent Fund Committee. A vote of thanks to the Limerick Chemists' Association for their donation of £5 to the Benevolent Fund was passed.

Changes of Address

The following notified changes of address:—Mr. M. D. Moloney, M.P.S.I., to 18 Patrick Street, Fermoy, co. Cork; Mr. S. T. Smith, M.P.S.I., to 9 Terenure Road, Dublin; Mr. Walter N. Lundie, L.P.S.I., to Avoca, Rustenburg, Transvaal; Mr. James C. Bannon, L.P.S.I., to Rathcravan, Mount Nugent, co. Cavan; Mrs. R. M. Leavy, L.P.S.I., to Leavy's Medical Hall, 94 Clanbrassil Street, Dundalk; Mr. J. Leavy, R.D., to Leavy's Medical Hall, 94 Clanbrassil Street, Dundalk.

Elections and Nominations

The following, proposed by Mr. D. J. Nugent, were elected to membership:—Dr. W. O'Donnell, 37 Castle Street, Dublin; Mr. Patrick Cagney, 1 Castle Street, Sligo; Mr. J. W. O'Gorman, 5a Harcourt Street, Dublin; Mr. Sydney M. Morris, 143 Uxbridge Road, Hanwell, W.7; Miss M. J. Shannon, Dunluce, Glenageary, co. Dublin; Mr. Eugene MacMahon, c/o Digge's Medical Hall, Ranelagh, Dublin; Mr. Sean O'Luaghlais, 29 Belgium Square, Monaghan. Mrs. K. MacCormac, Ballinagh, co. Cavan, was elected to associateship.

The following were nominated for membership:—Mr. James J. McNally, 104 South Circular Road, Dublin; Mr. James C. Bannon, Rathcravan, Mount Nugent, co. Cavan; Dr. Thomas Coghlan, O'Connell Street, Ennis, co. Clare; Mr. J. J. Fitzgibbon, The Sandycove Pharmacy, Dun Laoghaire, co. Dublin; Mr. P. B. Hickey, Dunning's Medical Hall, Killenaule, co. Tipperary; Mr. Murtagh O'Leary, The Medical Hall, Main Street, Boyle, co. Roscommon; Mr. M. J. Timoney, 9 Lower Dorset Street, Dublin. Mr. Michael McCabe, General Post Office, Wellington, New Zealand, was nominated for associateship.

Trade and the National Outlook

(Continued from the C. & D., October 24, p. 516.)

By Mr. J. Davidson Pratt, O.B.E., M.A., B.Sc., F.I.C.

The present economic crisis has confronted British industry with the most difficult problem it has ever had to face. The adverse trade balance must be put right. The departure from the gold standard, while improving the competitive power of British manufacturers in the home and export markets, has at the same time accentuated the difficulties of the trade balance. Food and raw materials, which must be imported, have been increased in value, as represented by the pound sterling, by some 20 per cent., while the value of our exports remains on the old level. Two aspects have to be considered: first, the reduction of imports, and second, the increase of exports. Examination of the import statistics for chemical products shows that after making all necessary allowances for materials which cannot be made here there is a balance valued at some £9,000,000 which can be produced in this country, and which would provide work for at least 20,000 men. The advantages which at present accrue from our depreciated currency can only be of temporary duration, and will in any case disappear as other countries follow our example and leave the gold standard. Tariffs are suggested as a solution of our difficulties, but unless they are properly utilised by industry they will be a snare and a delusion, and our last state will be worse than our first.

The object of a tariff which, if it is to have any real value must be protective, is to provide the stimulus and protection necessary to revivify industry. By ensuring the home market to the British producer a tariff should give him that volume of production which, with internal reorganisation of manufacture where required, will enable him to reduce his overheads and his costs of production, and so enhance his competitive power in the export markets. This object, to my mind, can be more effectively achieved by a system of import restriction or regulation such as has operated so successfully in the dye industry, under which the British maker is completely protected for all goods which he can make and the user is secured against any exploitation of price. Unfortunately, international commitments put this system out of court at present. Complete acceptance of the policy of buying British, which has naturally been stimulated by our depreciated currency, will do much to assist all our industries whether a tariff is imposed or not, and this should be urged on all buyers whose pockets have in the past overruled their patriotism.

As regards the export trade, we must regain our lost position or we perish as a nation. A policy of Empire economic unity would provide a great outlet for our industries. In the chemical field alone, there are some £23,000,000 worth of chemicals imported into the rest of the Empire from foreign countries which Great Britain can and should supply. It is necessary to go further than this. British industry as a whole requires to be completely overhauled in all its aspects. The utmost efficiency must be secured in every department, and every possible wastage of effort must be eliminated. Too little attention has been given to co-operative effort; even in the chemical industry, where the principles of rationalisation have already been applied in the field of heavy chemicals and dyestuffs, there is much room for such effort. Co-operation need not mean the elimination of all healthy competition. Co-operative buying of raw material has proved its value in more than one direction, but could be greatly extended with economy to all concerned. Co-operative manufacture has been largely neglected, and provides a fruitful field of exploration as a means of increasing efficiency and reducing costs, especially where a large number of products are made in comparatively small quantities by several firms as in the fine chemical field. Co-operative selling also requires intensive study as applied to over-seas markets; all the British missions of the past few years have drawn attention to the lamentable weakness of our selling organisations.

There is one more aspect which is even more fundamental. Our past prosperity was due to the fact that we had goods to sell which nobody else could make. We must endeavour to regain that position. Only by intensive research can we hope to do it, and here again co-operation is essential to prevent unnecessary duplication and waste of effort. These observations apply generally to British industry. Unless the need for co-operation to secure maximum efficiency is realised and appropriate action taken, our chances of regaining our lost prosperity will not be improved by any tariff,

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C. 2, October 29

A WEEK of rather subdued markets has culminated with a general attitude of mark-time. The effect of the rather astonishing general election results now to hand is awaited with interest. Previously it had been anticipated that, immediately a stable Government was assured, there would be considerable buying activity on the market. As a matter of fact, Wednesday and Thursday of this week have been about the two quietest days experienced since the gold standard incident of some six weeks ago. It is realised that, with any material improvement in the international value of sterling, forward values for many articles will become easier, and this very fair possibility is having a restraining effect in all quarters. Nevertheless, the markets as a whole are fairly steady on spot, and the shipment market movements largely depend on exchange fluctuations. In pharmaceutical chemicals former values are all well maintained. In crude drugs business has been much quieter, and although there has been little actual change in values the position is not quite so steady in a number of instances. In essential oils there has been a steady minor business moving, but here again shipment conditions tend a little easier. Fixed oils have met with a fair demand, but the market has lost some of its former strength. Coal-tar products are still quite active, and these products are very steady.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par.	Oct. 29	Value of the £
Amsterdam ..	Fl. to £	12.107	9⅝	15/10¾
Berlin.. ..	Mks. to £	20.43	16 9/16	16/2¾
Brussels ..	Belga to £	35	28	15/11¾
Copenhagen ..	Kr. to £	18.159	17⅞	19/8
Lisbon ..	Esc. to £	110	109¾	19/11½
Madrid ..	Ptas. to £	25.22½	43⅞	34/9
Milan	Lire to £	92.46	75½	16/3½
Montreal ..	Dol. to £	4.86⅔	4.35	17/10½
New York ..	Dol. to £	4.86⅔	3.90¼	16/0½
Oslo	Kr. to £	18.159	17⅞	19/8
Paris	Fr. to £	124.21	99⅛	15/11½
Prague ..	Kr. to £	164.25	131	15/11¾
Stockholm ..	Kr. to £	18.159	17 9/16	19/4
Vienna ..	Sch. to £	34.58½	*a*30	17/4
Warsaw ..	Zloty to £	43.38	33—37	16/1¾
Zurich ..	Fr. to £	25.2215	19 15/16	15/9¾

Bank rate 6 per cent. *a*—Nominal

Pharmaceutical Chemicals, etc.

THE general steadiness of the market is the chief feature this week. Quoted values show practically no important change and business is moving fairly well on limited lines. Confidence in the position is reflected in all quarters. It is yet too early to state what effect the results of the General Election will have on this market, but steady conditions, with a tendency for values of some products to advance, are anticipated.

ACETANILID is maintained at former rates with the market quiet: B.P. crystals and powder, 1s. 6d. to 1s. 7½d. per lb. as to quantity.

ADIPIC ACID is now quoted at about 1s. 6d. per lb. for pure edible quality, in minimum one-cwt. lots, carriage paid.

AMIDOL is steady and occasional business is being done: one cwt., 7s.; 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb. in 7-lb. tins.

AMIDOPYRIN has remained rather quiet, but dealers' prices are steady: crystals, five cwt., 14s. 3d.; two cwt., 14s. 7d.; less than two cwt., 14s. 9d. per lb., with powder 1½d. per lb. extra.

ASPIRIN.—A very satisfactory seasonal business continues and prices are fully maintained. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb. f.o.b.; less than one cwt., 2s. 9d. per lb. ex works.

BARBITONE is steady, with occasional small business moving: spot, from 9s. 3½d. to 9s. 6d. per lb. as to quantity.

BENZONAPHTHOL is quoted by dealers at about 3s. 6d. to 3s. 7d. per lb. as to quantity.

BENZOIC ACID (B.P.) is well maintained and business is fair: quoted from 1s. 10½d. to 2s. per lb. as to quantity.

BISMUTH SALTS.—Convention prices are quoted without engagement.

——	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.
Carbonate ..	8 6	8 0	7 9
Citrate	9 11	9 5	9 2
Nitrate cryst. ..	5 10	5 4	5 1
Oxide	11 10	11 4	11 1
Salicylate ..	8 6	8 0	7 9
Subchloride ..	11 6	11 0	10 9
Subgallate ..	8 1	7 7	7 4
Subnitrate ..	7 3	6 9	6 6

A rebate of 3d. per lb. will be allowed on sales of not less than two cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for within three months. Liquor bismuthi, B.P., in W.-qts., 1s. 2d. per lb.; 6 W.-qts., 11½d. per lb.; 12 W.-qts., 10d. per lb.; 36 W.-qts., 9½d. per lb.

BROMIDES.—Home makers' prices are maintained, with some Continental material offering at competitive prices; business is rather quiet: ammonium, five cwt. and over, 1s. 6d.; one cwt., 1s. 7d.; less than one cwt., 1s. 10d.; potassium, B.P. crystals and granular, five cwt. and over, 1s. 3d.; one cwt., 1s. 4d.; less than one cwt., 1s. 7d.; sodium, B.P., five cwt. and over, 1s. 5d.; one cwt., 1s. 6d.; less than one cwt., 1s. 9d. per lb., and slightly less for bulk quantities.

CAFFEINE.—Market is about steady but rather quiet: pure alkaloid, 7s. 9d. to 8s. per lb.; citrate, 6s. to 6s. 3d. per lb. as to quantity.

CALCIUM LACTATE is unchanged and a fairly good business is being done: spot, 1s. 2d. to 1s. 3½d. per lb. as to quantity.

CHLORAL HYDRATE.—Prices quoted by home makers are steady; business quiet: duty-paid crystals, 2s. 11½d. to 3s. 1½d. per lb. as to quantity and packing.

CITRATES.—Makers' prices are as follows:—Potassium citrate B.P., 1s. 7d.; sodium citrate B.P., 1923, 1s. 8d.; ferri ammon cit. B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS).—This market has been fairly steady and is about unchanged on the week; business has been rather better: foreign material, about 1s. 0½d. per lb., less 5 per cent., carriage paid. British makers quote 1s. 0½d. per lb., less 5 per cent. discount, without engagement.

U.S. exports of citrate of lime for August were 109,799 lb., valued at $13,600, making a total for January-August of 2,944,278 lb. ($374,434). Exports for the same period of 1930 were *nil*.

COCAINE.—Convention's prices are so far unchanged: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 22s. 11d. up to 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

CREAM OF TARTAR is fairly steady and some business is being transacted: foreign material, on spot, is quoted at about 87s. to 87s. 6d. per cwt., less 2½ per cent., carriage paid. British makers quote 99 to 100 per cent., 89s. per cwt., less 2½ per cent. discount, without engagement.

CREOSOTE (B.P.) is of small interest: dealers quote spot at about 2s. per lb.

ETHER (METHYLATED).—Makers' Convention prices are steady: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb. in w.-quarts; 12 w.-quarts, halfpenny less, and packed in drums or carboys 1d. less.

FERRI QUININE CITRATE.—Makers' prices continue without engagement: in 100-oz. lots: 9¼d. per oz. in 100-oz. tins: 9½d. per oz. in 25-oz. tins; 9¾d. per oz. in 16-oz. tins; 10d. per oz. in 8-oz. tins; 10d. per oz. in 4-oz. tins; 11¼d. per oz. in 1-oz. tins; 1s. 2¼d. per oz. in ½-oz. tins; ½d. per oz. more for smaller quantities, usual terms.

HEXAMINE.—Quite good business continues in this product and prices are fully maintained: free-running crystals, spot, from 2s. 2d. to 2s. 6d. per lb. as to quantity.

HYDROQUINONE.—Continental material is holding at former values on spot; market is quiet: ten cwt., 3s. 11¾d.; five cwt., 4s. 0½d.; two cwt., 4s. 1¼d.; one cwt., 4s. 1¾d.; 56 lb., 4s. 2¾d.; 28 lb., 4s. 4¾d; 14 lb., 4s. 6½d.; 7 lb., 4s. 8½d.; 1 lb., 5s. 3d. per lb., carriage paid.

IODIDES.—The following rates are now operating. All quotations are given without engagement:—Potassium iodide, B.P.: one cwt., 20s. 9d.; 28 lb., 21s., 14 lb., 21s. 3d.; 7 lb., 22s. 3d.; 4 lb., 23s.; smaller quantities, 23s. 9d. per lb. Sodium iodide, B.P.: 28 lb., 23s. 6d.; 14 lb., 24s.; smaller quantities, 24s. 6d. per lb. Iodine resub. B.P.: one cwt., 24s.; 28 lb., 24s. 3d.; 14 lb., 24s. 9d.; smaller quantities, 25s. 3d. per lb. Iodoform, B.P., cryst. precip. or powder: 28 lb., 26s. 9d.; 14 lb., 27s. 3d.; smaller quantities, 28s. per lb. In quantities not less than one cwt. (which may be taken assorted) containers of 28 lb. and outer packages are free. Carriage paid. Iodides will be invoiced at the rates current on the day on which the order is received, or on the date of dispatch, whichever may be the lower.

LACTIC ACID (B.P.).—Quoted prices for Continental are unchanged, with the market easy at these figures. Business has been moderate. British makers' prices are cheaper: one ton, 1s. 6½d.; ten cwt., 1s. 7d.; two cwt., 1s. 8d.; one cwt., 1s. 8½d.; small lots in bottles, up to 2s. 3d. per lb., carriage paid.

MERCURIALS.—Home makers' prices are quoted without engagement: red oxide, 9s. 5d.; corrosive sublimate, lump, 7s. 6d.; pulv., 6s. 9d.; white precipitate, 7s. 6d.; calomel, 8s. 1d.; yellow oxide, 8s. 8d.; persulphate, 7s. 10d. per lb. in minimum cwt. lots; 1d. per lb. extra for small parcels.

METHYL SALICYLATE (B.P.) continues in fair demand, with Continental material competitive with home makers: one ton and over, 1s. 4½d.; five cwt., 1s. 4¾d.; one cwt., 1s. 5d.; less than one cwt., 1s. 6d.; small lots, in bottles, up to 2s. per lb.

METHYL SULPHONAL is fairly steady but business is not of much account: two cwt., 15s. 1d.; one cwt., 15s. 7d.; 56 lb., 16s. 1d.; small parcels, 16s. 7d. per lb.

METOL.—Business is slow but prices are steadily held: 28 lb., 7s 9d.; less, 8s. per lb., carriage paid.

MILK SUGAR.—Continental material meets with some business: quoted from 48s. 6d. to 50s. per cwt. in two-cwt. cases.

PARALDEHYDE is a dull market: quoted from 10½d. to 1s. per lb. as to quantity and packing.

PHENACETIN.—A satisfactory business continues, with dealers' prices steady: crystals, five cwt., 4s. 6d.; two cwt., 4s. 6½d.; and less, 4s. 8d. per lb., with powder 1½d. per lb. extra.

PHENAZONE.—Dealers continue to do a good business and prices are very steady: crystals, ten cwt., 7s. 7d.; five cwt., 7s. 9d.; two cwt., 7s. 10½d.; and less, 8s. per lb., with powder 1½d. per lb. extra.

PHENOLPHTHALEIN.—Some occasional business passing, with competition keen: quoted from about 4s. 8d. to 5s. per lb. as to quantity.

POTASSIUM PERMANGANATE (B.P.) is steady as quoted by dealers: spot, 6¾d. to 7d. per lb. as to quantity.

POTASSIUM SULPHOGUAIACOLATE remains quiet, with dealers' prices for spot about 3s. 11d. to 4s. per lb. as to quantity.

PYROGALLIC ACID.—Makers' prices are unchanged: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—The price for this market continues at 2s. 2d. per oz., provided there is no material fluctuation in the rate of exchange.

U.S. imports for August totalled 446,957 oz., valued $114,449, making a total of 1,160,861 oz. ($381,812) for January-August, against 852,836 oz. ($312,998) for the same period of 1930.

RESORCIN has been rather dull; dealers quoting spot from about 3s. 6d. to 3s. 8d. per lb., and a shade less for bulk quantities.

ROCHELLE SALTS.—There is no change in home makers' prices: five cwt. or over, in one delivery, 77s. 6d.; less than five cwt., 80s.; less than one cwt., 82s. 6d. per cwt., carriage paid. Pulv. seidlitz, five cwt. or over, in one delivery, 62s. 6d.; less than five cwt., 64s. 3d.; less than one cwt., 66s. 3d.; double, 68s. 9d., 71s. and 73s. per cwt., carriage paid.

SACCHARIN is steady as quoted: 550, 1 lb., 43s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Home makers' prices are unchanged: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL does not meet with much inquiry; quoted prices unchanged: crystals, one cwt., 4s. 6½d.; 56 lb., 4s. 7d.; smaller parcels, 4s. 8d. per lb.; powder, 1½d. per lb. extra.

SANTONIN.—Prices on this market are about steady: five kilos, £48 15s.; one kilo, £49 10s. per kilo.

SODIUM BENZOATE (B.P.).—A good inquiry continues and the market is firm as quoted: one ton, 1s. 8d. up to 1s. 10d. per lb. for small parcels.

SODIUM DIETHYLBARBITURATE is offering by dealers on spot at about 10s. 6d. to 11s. per lb.; market is steady but quiet.

SODIUM SALICYLATE (B.P.). — Convention prices are unchanged, with home makers doing good business. Continental material is competitive. Home trade: powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—The market has been rather quiet; dealers' prices unchanged: crystals, one cwt., 12s. 7d.; 56 lb., 12s. 10d.; small parcels, up to 13s. 5d. per lb., with crystals 1d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—This market is keeping steady and there has been a little more business moving: foreign material is quoted at about 1s. per lb., less 5 per cent., ex wharf. British makers quote 1s. 0½d. per lb., less 5 per cent. discount, without engagement.

THYMOL.—The market is dull and easy as quoted: synthetic, fine white, one cwt., 5s. 9d.; 56 lb., 5s. 10½d.; 28 lb., 6s.; 14 lb., 6s. 3d. per lb.

VANILLIN.—Business continues on a limited scale, with prices obtained not much under quoted rates: ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 19s. per lb. as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

AGAR-AGAR is about steady but business is still very poor indeed: Kobe No. 1, 4s. 6d.; No. 2, 4s. 3d.; Yokohama, 4s. 3d. per lb., spot.

ANTIMONY is steady on a slow market: Chinese crude, spot, £20 10s.; shipment, £16 5s. c.i.f.; Chinese oxide, spot, £31; shipment, £27 c.i.f.

BALSAMS.—The market is steady but there is not much doing: *Tolu* is scarce and quoted at 3s. 2d.; *Canada*, 4s. 6d. per lb.

BUCHU.—The market is fully maintained at former rates: spot, good green rounds, 11d. to 1s. per lb.; ovals are nominal.

CAMPHOR.—Japanese on spot is very steady as quoted at 2s. 9d. per lb., for slabs, and about 3s. 1d. for tablets; supplies are limited, but business is not of much account. For shipment slabs are quoted at 2s. 3½d., and tablets at 2s. 10¾d. per lb., c.i.f. English refined B.P. flowers are steady; 1 cwt., 3s. 2d.; 28 lb., 3s. 3d., and less, 3s. 4d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 5d.; 1 oz. and 2 oz., 3s. 6d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 7d. per lb., quoted without engagement.

U.S. imports for August: Natural, crude, 255,555 lb., valued $88,470, making a total of 1,272,798 lb. ($460,532) for January-August, against 621,689 lb. ($247,012) for the same period of 1930. Natural, refined, 18,980 lb., valued $10,020, making a total of 820,949 lb. ($395,157) for January-August, against 668,594 lb. ($379,515) for the same period of 1930. Synthetic, 10,000 lb., valued $3,130, making a total of 1,397,252 lb. ($461,022) for January-August, against 1,411,562 lb. ($499,091) for the same period of 1930.

CARDAMOMS.—Market quiet: bold Ceylon-Mysore, 5s. to 5s. 6d.; mediums, 3s. 6d. to 4s. 3d.; small mediums, 2s. 6d. to 3s.; smalls, 2s. to 2s. 3d. Alleppy greens quoted at 2s. spot and 2s. 3d. c.i.f. for shipment. Bombay seed 3s. spot.

CASCARA SAGRADA.—The market is steady but rather neglected: spot, 1930 peel, 56s.; 1931 peel, 50s.; shipment, 45s. to 46s. c.i.f. in good quantities.

CLOVES.—The market has been rather quiet all the week, but values are about maintained: Zanzibar, spot, 8½d.; November-January, 7¾d. c.i.f. Madagascar, spot, 8¼d. sellers.

The landings of Zanzibar in London during the week ended October 24 were 83, and the deliveries 71, leaving a stock of 950, against 300 in 1930. From January 1 to date, landings of Zanzibar have been 2,796, against 6,257 in 1930, and the deliveries 2,865, against 5,964 in 1930. Landings of Madagascar for the week ended October 24 were *nil* and the deliveries 57, leaving a stock of 783, against 670 in 1930. Landings of Madagascar this year to date have been 2,320, against 5,236 in 1930, and the deliveries 2,443, against 4,579 in 1930.

COCOA BUTTER is about unchanged; market quiet: English, 10½d. to 11d.; Van Houten's A., 11½d. per lb. in minimum one-ton lots.

COCONUT (DESICCATED) is very steady and a fair business continues: spot, fine, 23s. 6d.; medium, 26s.; shipment, halves, November, 23s. c.i.f., sellers.

COD-LIVER OIL.—The market continues very steady at full rates, and business is sustained. Shipments to October 10 were 65,706 barrels against 67,909 at the same time last year. Finest Lofoten steam-refined non-freezing medicinal oil, 122s. 6d. per barrel, c.i.f. Spot, in minimum five-barrel lots, 130s. Some brands may be slightly cheaper.

ERGOT.—Fully steady but quiet. Russian, slightly wormy, 1s. 5d. to 1s. 6d. per lb. Spanish, 1s. 10d. to 1s. 11d. per lb., spot.

GELATIN is maintained at former rates, and business is fairly good: gold loaf, 2s. 3d.; silver leaf, 1s. 11d.; bronze leaf, 1s. 6½d.; thin leaf, 1s. 4½d. per lb., in one-cwt. cases.

GINGER.—The market has been dull but values are fully maintained: West African, spot, 28s. 6d.

GUM ACACIA.—The market is about steady and unchanged on the week: Kordofan, cleaned sorts, 46s.; natural, 43s. 6d.; bleached, about 100s. Shipment, Kordofan, cleaned sorts, 38s. 6d.; natural, 37s. c.i.f.

U.S. imports for August totalled 306,303 lb., valued $21,636, making a total of 6,233,048 lb. ($470,563) for January-August, against 5,330,983 lb. ($793,950) for the same period of 1930.

HONEY.—Although rather subdued, the market continues steady: Californian white clover, 49s. per cwt.: Jamaica dark amber, 22s. 6d. to 23s.; good medium pale, 36s.; palest set, 52s. 6d. and upwards per cwt.

HYDRASTIS.—Market is steady and quiet: spot is quoted in the region of 5s. 9d. per lb.

IPECACUANHA.—The somewhat firmer tone recorded last week has not been maintained, and the market at the moment is nominal for Matto Grosso.

MENTHOL.—Business has been slower, but due to shortage of supplies spot is keeping up to about 16s. for K/S brands. Shipment is again easier, with October-December and January-March at 12s. 7½d. c.i.f.

U.S. imports for August totalled 3,667 lb., valued at $10,339, making a total for January-August of 209,092 lb. ($569,647), against 291,887 lb. ($691,523) for the same period of 1930.

MERCURY.—The market continues very steady, with Italian-Spanish quoted for this market at 80 dollars per bottle f.o.b., equivalent to about £20 7s. 6d. on current rates of exchange.

U.S. imports for August were *nil*, making the total for January-August 27,054 lb., valued at $32,649, against 162,506 lb. ($213,169) for the same period of 1930.

PEPPER.—Values have advanced and the market is at present steady, with business moving on a fair scale: Lampong, spot, 6½d.; shipment, October-December, 6¼d.; January-March, 6⅝d. c.i.f.; Tellicherry, January-March, 64s. c.i.f.; Alleppy, January-March, 62s. c.i.f.; white Muntok, spot, 8½d.; shipment, October-December, 7⅝d.; January-March, 7⅞d. c.i.f.

PIMENTO is unchanged on the week, with the market quiet: spot, 3d.; shipment, 24s. 6d. c.i.f., sellers.

RUBBER.—The market has been quiet and values are easier. U.K. stocks total 134,262 tons, against 120,563 tons a year ago. World stocks at September 30 totalled 556,880 tons, against 449,212 tons a year ago. No. 1 standard ribbed, smoked sheet, sellers, spot, 2 15/16d.; November, 2 13/16d.; December, 3d.; January-March, 3 1/16d.

SAFFRON is steady and a moderate business is moving: prime B.P., 57s. 6d.; extra B.P., 50s.; super B.P., 47s. 6d. per lb., and less for quantities.

SARSAPARILLA.—The market has been mostly dull: genuine grey Jamaica, from 1s. 3d.; native Jamaica, 1s. to 1s. 2d. per lb. as to quantity.

SEEDS.—ANISE.—Spanish, 52s. 6d.; Bulgarian, 35s.; and Russian, 32s. 6d. per cwt. on spot. CANARY.—Mazagan, 14s. 6d. spot, 12s. c.i.f.; Tangier, 10s. spot, 11s. c.i.f.; Kenitra, 12s. spot, 10s. 6d. c.i.f. CORIANDER.—Morocco, 1929 crop, sold at 12s. spot; new crop is cheaper, 14s. 6d. now quoted. CUMIN.—Malta, spot, 45s.; Morocco, 30s.; and for shipment, 27s. 6d. c.i.f. FENUGREEK.—Morocco, firm at 14s. spot; Tunisian, unchanged at 16s. 6d. CARAWAY.—Dutch on spot very firm at 30s. to 31s. LINSEED.—Mazagan, spot 13s. 6d., and Morocco 13s. MUSTARD.—English is 22s. 6d. to 32s. 6d., according to quality.

SENEGA.—The market remains dull and unsteady: spot, about 1s. 8d.; shipment, 36 cents c.i.f.

SENNA continues steady, with a fair demand for Alexandrian medium and lower grade pods: Alexandrian, finest selected hand-picked pods, 5s. 6d. to 6s.; seconds, 3s. 6d. to 4s.; mediums, 2s. to 2s. 6d.; ordinary manufacturing, 5¼d. to 6d. per lb. Tinnevelly ordinary f.a.q. pods are unchanged at 5½d. to 5¾d. per lb. Tinnevelly leaves, lowest at 4d. per lb.

U.S. imports for August totalled 126,325 lb., valued at $6,386, making a total of 382,495 ($23,045) for January-August, against 1,494,440 lb. ($111,824) for the same period of 1930.

SHELLAC.—The market is quite firm as quoted, and business is better. Spot, TN standard orange, 78s. 6d.; fine orange, 90s. to 177s. 6d.; pure button, 92s. 6d.; for delivery, TN, December, 71s. 6d.; March, 73s. 6d.; for arrival, TN, October-November, 69s. 6d.

TRAGACANTH.—There has been more inquiry for industrial qualities and the market is about steady. Quoted values for fine and medium grades are firm.

U.S. imports for August totalled 143,503 lb., valued at $28,175, making a total of 1,079,466 lb. ($414,742) for January-August, against 784,809 lb. ($336,537) for the same period of 1930.

WAX (VARIOUS).—Rather less business is reported in these products, but prices generally are being maintained. JAPANESE on spot, about 50s.; CARNAUBA, fatty grey and chalky grey, 70s.; medium yellow, 175s.; fine yellow is scarce at 200s.; CANDELILLA is unchanged at 85s. per cwt.; SPERMACETI, steady at 9¼d. per lb. spot; PARAFFIN is quoted from 25s. to 34s. per cwt. as to melting point; CERESINE is quoted from 40s. to 80s. per cwt. as to colour and melting point; BEES' has been in fair demand: bleached, dises, £8; slabs, £7 17s. 6d.; yellow refined, £5 10s.; yellow crude, £5 per cwt. spot.

Essential Oils

BUSINESS has been rather on the quiet side, and certainly on a smaller scale than of late. The general tone, however, is fairly steady, the movements in values recorded being mostly unimportant. The future of bergamot is once more uncertain. Spike continues firm. Japanese dementholised peppermint is dull and easier forward.

ALMOND is quoted steadily on spot with genuine s.a.p. at 7s. 2d. to 7s. 4d. per lb.; sweet almond oil, 2s. 1d. per lb.

ANISE (STAR) is, if anything, a shade easier, while business has been of small account: spot, "Red Ship," in leads, 2s. 3d.; in tins, 2s. 1d.; in drums, nominal; shipment, in leads, 2s. 1d.; in tins, 1s. 11d.; in drums, 1s. 9½d. c.i.f.

BERGAMOT.—Contradictory reports are now coming to hand regarding the proposed control of this market, and, at the moment, development of the idea is indefinite. Shippers are offering again with the figure now at 9s. 1d. per lb., c.i.f. The spot position is irregular, and it is possible that there may be sellers at almost any figure between 8s. 6d. and 10s. per lb., for bulk quantities.

U.S. imports for August were 3,780 lb., valued $6,541, of which 2,864 lb. ($4,537) were shipped from Italy.

BOIS DE ROSE is quoted unchanged with not much interest in the market. Cayenne, 6s. 3d. per lb., and slightly cheaper forward. Brazilian, spot, about 3s. 3d. per lb.

CARAWAY is very steady but business has been slow: spot, double-distilled, 7s. 6d., with crude 7s. 1d. per lb.

CASSIA.—The market is slightly dearer this week with spot at about 3s. 4½d. per lb. A fair business is reported.

CEDARWOOD continues to be quoted at about 1s. 8½d. to 1s. 9d. per lb., as to quantity.

CINNAMON LEAF is steady with spot in the region of 3s. 6d. per lb.; shipment is quoted at about 3s. c.i.f.

CITRONELLA.—Moderate business is being done, and values are about unchanged: Ceylon, 1s. 8d. to 1s. 9d. spot and about 1s. 6d. c.i.f.; Java is very steady with spot at 2s. 7½d. to 2s. 8d. per lb.

CLOVE seems to be of little interest with 90 to 92 per cent. at about 5s. per lb.

EUCALYPTUS is in occasional request with Australian 70 to 75 per cent. at about 1s. 1d. per lb., and something less to arrive. Spanish 70 to 75 per cent. is offering at about 1s. 3d. per lb.

GERANIUM.—Due to the continued irregularity of the shipment market for Bourbon, in which quotations are one day withdrawn and then offered the next at widely varying rates, the spot position is more or less nominal at about 18s. per lb. Algerian is well up to the former rates of 20s. spot and 19s. per lb., c.i.f.

U.S. imports for August totalled 5,642 lb., valued $14,689, making a total of 91,539 lb. ($262,574) for January-August, against 131,077 lb. ($411,443) for the same period of 1930.

JUNIPER BERRY (B.P.) show no change with spot values in the region of 5s. per lb.

LAVENDER.—While business is on the quiet side prices for French to arrive are quite steady; 38 to 40 per cent., 9s. 9d. to 10s.; 36 to 38 per cent., 9s. 2d. to 9s. 4d. per lb.

LEMON.—There is very little ehange to report here. Business has been limited with values about steady. Sicilian, hand-pressed, from 3s. 10½d. to 4s. 2d. per lb., as to brand, with shipment from 3s. 8½d. to 4s. per lb., c.i.f. Californian lemon oil in drums is offered on spot at 2s. 6d. per lb.

U.S. imports for August totalled 20,450 lb., valued $15,623, making a total of 285,123 lb. ($178,098) for January-August, against 528,071 lb. ($515,623) for the same period of 1930.

LEMONGRASS is a shade firmer, with few spot offers below 1s. 9d. per lb.; more for small parcels.

LIME is unchanged on a quiet but fairly steady market: genuine distilled, 42s. 6d. to 45s. per lb. as to quantity.

MANDARIN.—The spot value of about 16s. 6d. to 16s. 9d. per lb. is well supported by the shipment quotation of 15s. 10d. to 16s. per lb. c.i.f.

ORANGE.—With only a moderate volume of business passing the market is unchanged and fairly steady: Sicilian sweet, on spot, from 7s. 6d. and upwards, and shipment round about 7s. per lb. c.i.f. Bitter orange is offering on spot from 6s. 6d. to 6s. 8d. per lb. with shipment about 6s. 3d. to 6s. 4d. c.i.f. Californian orange oil is steady at 4s. 3d. to 4s. 9d. per lb. as to quantity.

U.S. imports for August totalled 5,981 lb., valued $15,412, making a total of 88,975 lb. ($183,080) for January-August, against 125,656 lb. ($285,174) for the same period of 1930.

PALMAROSA is unchanged on a dull market: spot is quoted at about 8s. 9d. per lb.

PATCHOULI.—The market has been very quiet: spot, 12s. 6d. to 12s. 9d. per lb.

PEPPERMINT.—There is little business moving on spot, but values quoted for available supplies of Japanese dementholised peppermint oil are holding up in the region of 4s. 6d. per lb. Shipment is easier, with October-December, 3s. 6d. and January-March, 3s. 6d. per lb. c.i.f. American oil on spot is at about 8s. per lb., and shipment none too steady at 7s. 6d. c.i.f.

U.S. exports for August were 11,568 lb., valued at $23,770, making a total for January-August of 133,972 lb. ($274,689), against 143,531 lb. ($467,413) for the same period of 1930.

PETITGRAIN is fairly steady, but business is not good: spot, 4s. 2d. per lb.

ROSEMARY continues steady but in small demand: Spanish, about 2s.; French, about 3s. 10d. per lb.

SASSAFRAS is unchanged on a slow market at about 5s. per lb.

SPEARMINT meets with occasional inquiry: quoted on spot at 8s. 6d. per lb.

SPIKE.—Firm conditions continue here, with shipment offers of Spanish at 3s. 7½d. per lb. Spot is mentioned at about 3s. 9d. per lb., while there may be a seller or two at less.

WINTERGREEN.—The market is dull: spot is steady at 7s. 6d. per lb. for small lots.

WORMSEED is about steady on spot as quoted near to 14s. per lb.; market is dull.

The following arrivals have taken place from the countries indicated during the period October 22 to 28 inclusive:—Anise (star) (Gy.) 3 pkgs., (Fr.) 26 pkgs.; bergamot (It.) 12 cs.; beechwood (Fr.) 20 cs.; cajuput (D.E.Ind.) 2 dms.; cedarwood (Nthlands) 1 pkg.; clove (Fr.) 1 dm.; lemon (It.) 150 cs., (U.S.) 9 dms.; orange (U.S.) 1 cs., (S. Rhodesia) 20 cs., (It.) 3 cs.; patchouli (Fr.) 8 cs.; peppermint (Fr.) 2 cs., (Nthlands) 26 cs., 1 pkg., (U.S.) 1 dm.; pine (Gy.) 1 dm.; spearmint (U.S.) 3 cs.; various (Ind.) 10 cs., (Fr.) 20 cs., 1 pcl.

Coal Tar Products, etc.

A FEW items in this section continue active, particularly carbolic acid crystals and pitch, the export inquiry in both cases being good. Cresylic acid is also a little livelier. BENZOL continues in very fair demand and prices are steady: standard motor 90's, 1s. 3d. to 1s. 4d. per gallon in tank wagons, ex works; pure, 1s. 6d. to 1s. 7d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40° C.).—There is plenty of inquiry on the market and available supplies are definitely limited. Second-hand material is quoted at a premium over the makers' scale: 100 tons, 5d.; 50 tons, 5⅛d.; 20-25 tons, 5¼d.; 10 tons, 5⅜d.; five tons, 5½d.; two tons, 5¾d.; one ton, 5⅞d.; ten cwt., 6d.; smaller lots, 6¼d. to 6½d. per lb., in drums with over-casks, carriage paid or f.o.b.; crude carbolic 60's, 1s. 4½d. to 1s. 6d. per gallon, naked at works. CRESYLIC ACID.—Rather more inquiry is being received. The market is generally steady. Supplies of high-boiling acid are running short: pale 98 to 100 per cent., 1s. 7d. to 1s. 8d.; dark 95 per cent., 1s. 4½d.; special qualities, 3s. 3d. to 3s. 6d. per gallon, ex works. American duty-free acid, 1s. 7½d. to 1s. 9d. per gallon f.o.b. CREOSOTE OIL is steady for home trade at about 4½d. to 5d. per gallon f.o.r. works, South England, in bulk quantities. KEROSENE.—The market is steady and rather more business is being done: water-white, 11½d.; standard white, 10½d. per gallon in barrels, ex wharf, London; in bulk, 3d. per gallon less. MOTOR SPIRIT.—There is no change in national prices for the various areas; business continues on a good scale: No. 1, 1s. 3½d. per gallon, delivered in bulk for England, Wales and South Scotland; 1s. 4d. for Belfast, and 1s. 4½d. for remainder of Northern Ireland and North Scotland; 1s. 4½d. for Irish Free State, with Dublin 1s. 0½d. per gallon. No. 3 spirit 2d. per gallon less, and aviation spirit 4d. per gallon more in all cases; 1d. to 2d. per gallon more in two-gallon tins, as to district. NAPHTHALENE remains very quiet and rather unsteady: flakes, £11; balls, £11 per ton in cases, ex store. PITCH.—A very satisfactory business continues; quoted values are firm and tend to advance; supplies are not too plentiful: medium-soft, 57s. 6d. to 60s. per ton, f.o.b. East Coast. PYRIDENE is a dull market, with quoted prices unchanged: 90 to 160, 3s. 3d. to 3s. 6d. per gallon. SOLVENT NAPHTHAS are steady and some moderate business is being done: 90 to 160, 1s. 2½d. to 1s. 3d.; heavy, 90 to 190, 1s. 1d. per gallon naked at works. TOLUOL is steady but rather quiet: commercial 90's, 1s. 10d.; pure, 2s. per gallon, ex works, in good quantities. XYLOL is a quiet market: commercial, 1s. 9d.; pure, 1s. 11d. per gallon, ex works, in good quantities.

Fixed Oils, etc.

A MODERATE volume of business is being done in these products. Values show a slight loss on the week. American turpentine is very dull, and business in linseed has been slow. A good demand for palm oils is reported. ACID OILS are quoted slightly cheaper on a quiet market: coconut and/or palm kernel, 19s. 3d.; groundnut, 18s. 3d.; soya, 15s. 6d. spot. CASTOR.—The advances recorded last week have not been maintained, and the tone is not so healthy; business has been fair: pharmaceutical, 47s.; first pressings, 43s.; second pressings, 41s. (barrels); cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 37s. 6d. (drums), c.i.f. COCOANUT shows a slightly firmer tone, and business has been satisfactory: deodorised, 33s. (barrels) spot; Ceylon, 25s. (drums) c.i.f. COTTON has been in some demand and values are about steady and unchanged: deodorised, 31s.; common edible, 28s. 6d.; soap making, 27s.; crude, 24s. 6d. (barrels), spot. GROUNDNUT.—After the abnormal prices operating last week more reasonable values are now being mentioned: deodorised, 38s. (barrels), spot; crude Oriental, 25s. 9d. (drums), c.i.f. LINSEED (raw, naked).—The market has been rather quiet, but values are very steady; on spot, 16s. 6d.; November, 15s. 7½d.; November-December, 16s.; January-April, 17s. 6d. Boiled oil, on spot, 19s. OLIVE is tending to move to slightly higher rates; market is steady: edible, 6s. 3d. in drums, 6s. 9d. in tins in cases; B.P., 5s. 3d. per gallon, in 40-gallon barrels; spot and shipment, 5s., c.i.f. PALM.—Values for all grades show an advance on the week, and business has been good; the tone at the close was fairly steady: Lagos, 20s. 6d.; softs, 19s. 3d.; mediums, 19s.; hards, 19s. 6d.; bleached, 22s. 9d., spot. PALM KERNEL is steady and unchanged: deodorised, 33s.; crude, 25s., spot. RAPE is a point dearer on a steady market: refined, 34s.; crude, 32s., spot. RESIN.—The market is steady but quiet: B, 11s.; D, 11s. 6d.; F/G, 12s.; N, 16s.; W/G, 19s. 6d.; W/W, 21s. ex wharf. TURPENTINE.—The market is neglected: total London stocks, 30,301 barrels. On spot, 52s. 6d.; November-December, nominal. WOOD.—Hankow in barrels is quoted steadily on spot at 43s. 6d.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Pushing British Goods

SIR,—I am not in the habit of expressing my opinions in the public Press, but too much publicity cannot be given to the exploiting of the present money crisis by our American cousins. I had need to order Valentine's meat juice recently, and sent along a cheque for the usual amount. The answer to that order was a request for another 9s. per doz. My reply was, "Nothing doing," with a postscript that we are moving the British equivalent instead. I believe this is an opportune moment to oust preparations of this character, which have never yielded a profit, in favour of British goods for which the public are now asking.

Yours sincerely,
L. CHAMBERS.

Halifax.

SIR,—I cannot say that my experience has been like that of Mr. Cleave (*C. & D.*, October 17, p. 494) in gaining the esteem of customers by asking them if they wanted to buy foreign-made goods instead of the British equivalents. Such a leading question would more likely lead to the customer leaving the shop in a huff and perhaps never coming back again, for when a purchaser has a preference for some particular line I find that he or she is quite indifferent to the country of origin or to any exhortation to "buy British." I have no doubt that Mr. Cleave, like myself, is compelled to stock a range of from a dozen to twenty different varieties of makes of tooth-pastes and shaving sticks; which does he find he gets asked for most frequently, British or foreign? I sympathise entirely with him in his views on selling British goods, and have made it a practice for a long time, when anyone comes in and asks for one of these commodities without specifying a particular brand, to display about half a dozen British-made ones for the customer to choose from. Nine people out of ten inspect them and then remark: "Have you So-and-so's?" My reply is, "Yes, but these I have shown you are British make"; and the final answer is: "I prefer the other if you have it.' This has happened to me, not once, but repeatedly, and leaves me to doubt very much the sincerity of the British public in supporting home industries when it comes to purchasing for their own individual requirements; so I am compelled to make the sale or to lose the custom, with the further possibility of driving the buyer to the bazaars where not only the goods but a large portion of the capital as well is foreign. Some of the well-known toilet lines we sell are manufactured in this country, and to that extent afford employment to British workers, although the firms they belong to may have been orginally foreign ones, so that the governing interests are held abroad, and the greater part of the profits may go out of the country. Should we, to be consistent, decry the sale of lines issued by such firms as these? Are the goods British or foreign? Some years ago I was engaged in the export trade, and the country of origin of all goods had to be stated on the invoices for some destinations; 25 per cent. of the cost, either of material or labour, provided in this country constituted "British origin." This may be altered now —I am no longer in touch with this trade; but it always struck me that it was a small part of the value.

Faithfully yours,
ANTI-FOREIGN (26/10).

Doctors and Hairdressers as Competitors

SIR,— One of your correspondents (*C. & D.*, October 17, p. 494) says that very few chemists announce anything about dispensing. That is quite true, and the reason is obvious. For most chemists in business dispensing does not pay; there is not enough of it, and what little there is has to be done under the onerous conditions of the many Acts which govern our conduct. I am not referring to panel dispensing, which I, for one, after making analyses of the figures at regular intervals for some years, am convinced does not pay either. Mr. Burge further says the doctors do not mind. Of course not; they have the right to dispense medicine without weights, measures, balances, inspectors or regulations of any kind, and no government in this country would dare to deprive them of that right. Many retail chemists who have not had an insight into surgery work would be surprised at the large amount of medicine some doctors sell in private practice, and the price they get for it; the chemist's turnover is negligible in comparison. I do not think we shall see the day when the dispensing chemist is the employee of the doctor; the doctor has no use for his services. Concentrated mixtures can be bought from any wholesale drug house, and any girl can soon be taught to pour in up to the first mark of an 8-oz eighth-part bottle and fill up from the tap. I agree that hairdressers are getting the cream of the sales of toilet preparations; many of them put up their own packs, similar to the ones chemists have sold for years, and get two or three times the price we can for the same article. A little flattery goes a long way in the sale of cosmetics, and the hairdresser has the best chance to administer it. I cannot quite follow your correspondent's remarks regarding the unqualified men, when he says that they were well trained in business and money-making methods instead of cramming their brains with scientific studies Where did they get this business training? It was after they had failed to qualify that they turned to the drug store as a means of earning a living.—Yours truly,

COMMON NAME (27/10).

Members of Local Associations

SIR,—A letter in your issue of October 17 (p. 495) contains a plea for the inclusion of all pharmaceutical interests in the local associations. The difficulty is that many of the associations have been displaced or replaced by branches of the Pharmaceutical Society, and these are only open to members of the Society. I regret the necessity for this attitude, and I think that all districts would be well advised to have an association as well as a branch, even if they are so closely allied that the officers are the same people and the meetings held at the same time and place. We live by trade, and it is the problems arising out of trade conditions and regulations that we wish to discuss at our meetings. I would suggest that one night a month should be set aside for this purpose.—Yours, etc.,

AIRED (26/10).

Too Much Elaboration

SIR,—I have read on several occasions articles on card indexes, loose leaf systems, and similar methods of stock-keeping and stock-control records; but it has always seemed to me that for a small chemist's business such methods were too elaborate, would take up too much time, and would in fact result in the tail wagging the dog. It is said that in these post-war years a single-handed chemist can turn over about £30 a week, and from experience I should say this is approximately correct. In such a business the stock that is necessary would be nearly all kept in the shop itself. As one makes out one's own orders, serves all the customers and checks the invoices, one could say off-hand whether any line was in stock, how much of it and where it was bought from, while with a system of pricing goods as they come in the cost would be on the article. The only other item of information likely to be required would be the date when put into stock, but this could be turned up on the invoice file as easily as from a card.

Faithfully yours,
SINGLITE (12/10).

Dispensing Notes and Difficulties

Aspirin and Potassium Iodide

SIR,—I made up the following mixture and saw no change after standing some time, but what will happen in the course of two or three days I cannot say. I should like to inquire whether such a mixture is incompatible, and, at the same time, will you kindly inform me the best method of dispensing it.

Potassi iodid.	ʒiss.
Pulv. ac. acetylsalicyl.	ʒij.
Liq. ammonii acetatis conc. ...	ʒv.
Aq. chlorof. ... ... ad	℥viij.

Yours faithfully,
C. D. O. (1/9).

[A mixture of acetylsalicylic acid and potassium iodide slowly reacts and liberates hydriodic acid, which becomes oxidised by the air, liberating iodine. The reaction does not appear to be complete, as after two weeks only a slight coloration occurs. This coloration turns mucilage of starch blue. The reaction is not altered by the presence of solution of acetate of ammonium. The slight blue can be obtained after standing a few hours. The mixture should not be sent out without mucilage of tragacanth, or preferably compound powder of tragacanth. Although this suspending agent would not prevent the reaction taking place, we see no reason for not dispensing the mixture. The doctor should be advised of the incompatibility so that he can prescribe mixture and tablets of aspirin in future.]

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Panel Chemists and National Economy

I wish to say that I am in definite agreement with Mr. McNeal (*C. & D.*, October 17, p. 496), and I think that a 10 per cent. cut should be called for from all Government contractors. After all, our payments for N.H.I. dispensing are not by any means adequate, in fact they are a mere pittance for the work done and services rendered, and therefore, I feel certain our loss is greater than that which will be experienced by any other contractor with 10 per cent. off, because our status has been reduced and we are gradually dropping down the scale. Would that something could be done to raise us up, because otherwise what is all this leading to? Can we not hope for any assistance from the Pharmaceutical Society, or is this question . . .?—*T. C. Miller*, Dunfermline.

I would leave your correspondent "Pharmaceutist" (*C. & D.*, October 24, p. 523) in his safe "dug out," but that he infers rather than states a certain attitude on my part which needs immediate correction. As a supporter of the National Government, I would agree it can take care of itself, not so the individual pharmacist politically. Decisions have been reached in secret by representatives of the chemists, and these decisions the chemist is blindly expected to uphold afterwards. To misquote those famous words, "Theirs not to reason why, theirs but to pay up and sigh." One cannot get blood from a stone, but it is easy to gain the goodwill of Government departments by being patriotic with other people's money, and N.H.I. work is hard-earned money. As "Pharmaceutist" evidently supports the cut, I would ask him to do the thing properly, and leave him to propose that the officials responsible in pharmacy for its acceptance make a similar cut in their salaries and thus share in the patriotism of the chemists by making a present of it to the Government. It would be interesting to know the result of such a proposal.—*J. F. McNeal*, Little Chalfont.

Pharmaceutist points out that omission of the word "not" before "insignificant," in the eleventh line of his letter published in the *C. & D.*, of October 24 (p. 523), destroyed the sense of what he wrote.

Legal Queries

J. G. T. (1/10).—Preparations made with industrial methylated spirits in accordance with formulas duly approved by the Commissioners of Customs and Excise may be sold by any person without a licence.

W. F. (14/10).—Barium salts, except barium sulphate, are included in Part II of the Poisons Schedule. Consequently a depilatory prepared with barium sulphide contains a poison within the meaning of the Pharmacy Acts, and can only be sold by a registered chemist.

T. H. L. (20/10) employs a woman to do domestic work every morning. Must she be insured under the National Health or the Unemployment Insurance schemes, and, if so, what contributions must be paid in respect of her? [As the woman is employed in domestic work only she does not come within the Unemployment Insurance scheme; but she must be insured under the Health and Pensions Insurance scheme. The total weekly contribution is 1s. 1d., of which 6d. may be deducted from the woman's wages.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

K. & C. (9/10).—FREEZING SALTS.—These are two separate salts, found to be "A" ammonium nitrate crystals coloured fawn; "B" sodium carbonate small crystals. A recognised freezing mixture may be made with equal parts of "A," "B" and water. The fall of temperature produced is 57° F.

Aspirin China (11/9).—SMOKE BARRAGE POWDER.—This occurs in small fragments, and is said to be "used by the local fire brigade for training recruits." Analysis indicated its composition to be pitch 4 parts, borax 1 part, potassium nitrate 2 parts.

J. J. W. (23/81).—Electric lamp varnishes are generally solutions of spirit soluble aniline dyes in white hard spirit varnish.

W. E. H. (24/10).—PRESERVING COAL BAGS.—The preparation used to dip coal bags in order to preserve them consists of ordinary coal tar.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," October 15, 1881

Competition in Drugs and Proprietaries

Are there no means for preventing the sale of drugs and their compounds by unauthorised persons? Chemists living in London and large towns are probably not aware to what a serious extent this practice is growing. Grocers, greengrocers and small shopkeepers in general are not satisfied with selling the simpler drugs, such as castor oil, senna, etc., but some of them have gone on to the sale of paregoric, laudanum, red and white precipitate, etc. . . . Another important matter, and rapidly growing evil, is the cutting system in the patent-medicine trade. This could be put a stop to more easily than the last mentioned, by the proprietors of the various articles supplying those firms only who engage to supply no vendors but those who will retail the articles at the proper price. [From a letter to the Editor.]

Owing to pressure on space, this week's instalment of the C. & D. Commercial Compendium is held over.

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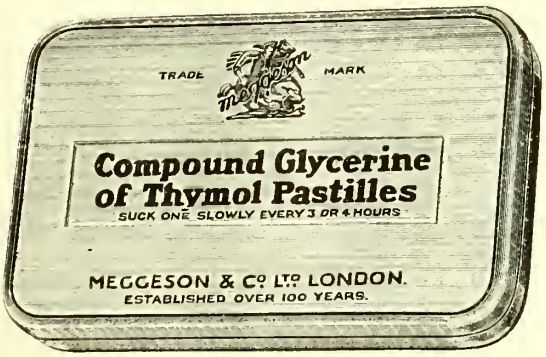

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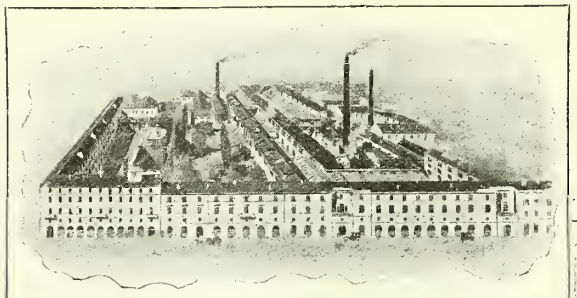

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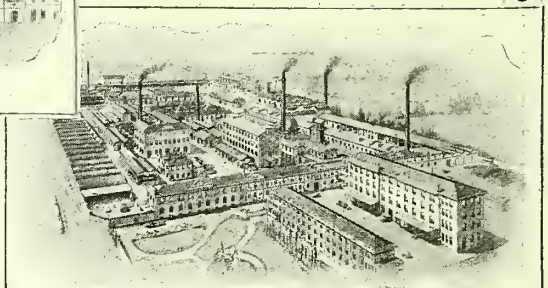

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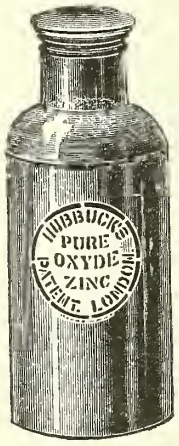

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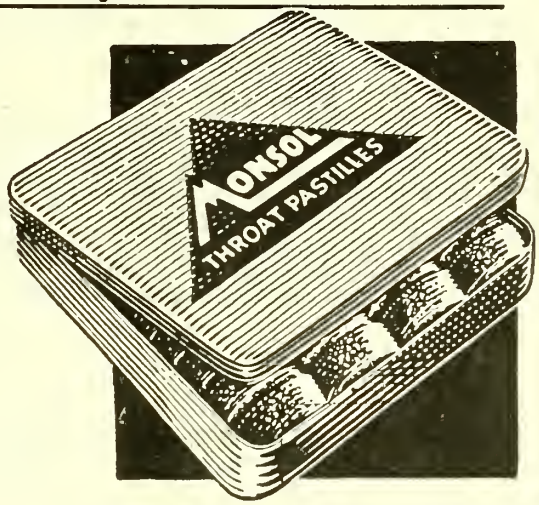

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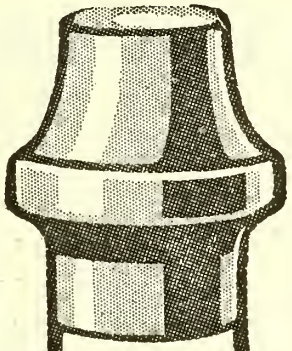

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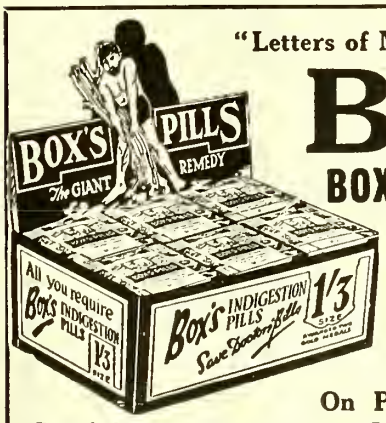
Bottles of 100—1½ grain capsules - - - -	26/6

E. H. SPICER & Co. Ltd., WATFORD HERTS.



"Letters of Mark"—

B.P.

BOX'S PILLS

for the British Public *per the* British Pharmacist

On P.A.T.A. LIST

In 1/3, 3/-, 5/-, 12/- and 22/- boxes

Box's Pills have a special public of their own—many of whom have had to go considerable distances to obtain their favourite medicine, or to order from Plymouth, for lack of a local source of supply. Pharmacists are now co-operating in distribution of Box's Pills in increasing numbers, and healthy local demand is developing. Stock them and show them and you will sell them. Display outers and other attractive show material free on application.

Obtainable from Wholesalers, or direct from the proprietor

W. H. BOX

GIANT PILL MANUFACTORY 161 King St., PLYMOUTH

Telegraphic Address. "GIANT," PLYMOUTH.

YOU WILL BE ASKED TO DISPENSE

Rx Arcolax

A natural Vegetable product for the treatment of Habitual Constipation.

We are providing the Medical profession with samples and full information.

Be ready to supply.

IN BOXES RETAIL 3/4

Prepared and extensively advertised by

ROBERTS & CO.

Pharmaciens

76 NEW BOND ST., LONDON, W.1

and at PARIS

1 ft. 2 ins.

SIMPKINS' COUGH TABLETS 2 oz. **5d.**

THROAT, CHEST & LUNG TABLETS 2 ozs. **5d.**

1 PAIR OF DISPLAY GLOBES ON STANDS FREE

With a small season's CONTRACT in 2 deliveries

Cost **£4 5 6**
Profit **2 12 0**

Free bags and striking window bills

LONDON CHEMISTS ! ! !

(CONFINED to your Profession ONLY).

SIMPKIN'S UNIQUE and ATTRACTIVE

CHEMISTS' CONFECTIONERY

Sold by **4,000** Chemists in the Midlands

Responding to requests have opened a London Depot

Ring up our Representative :

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to call and submit for your inspection

OUR ATTRACTIVE DISPLAYS AND SPECIAL INDUCEMENTS

THERE IS **NO RISK** OF DEAD OR SLOW SELLING STOCK.

We have a system to prevent this.

YOUR PROFIT (Substantial) and QUICK TURNOVER **THUS GUARANTEED.**

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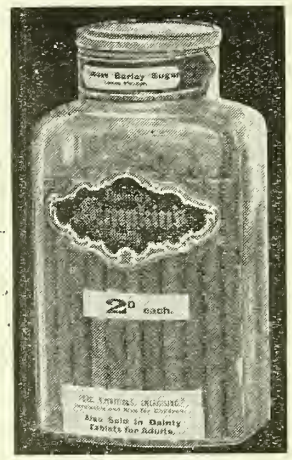
CHEMISTS' CONFECTIONERS

London Depot :
11 CREECHURCH LANE, E.C.3
Phone : Avenue 8082.

Head Office :
CARFIELD WORKS, SEDAN ST., SHEFFIELD



BARLEY SUGAR BRIMSTONE & TREACLE COUGH STICKS in **2d.** sticks

UNIQUE MINTS
GLYCERINE FRUITS
GLUCOSE BUTTERS
20 other attractive lines @ **6d.** per qr.

5 Bottles cost **£2 7 6**
Profit **£1 10 0**

Discounts increase to 12½% on 20 Bottle orders

PURE MALT EXTRACT

with ***FINEST***

NORWEGIAN COD LIVER OIL

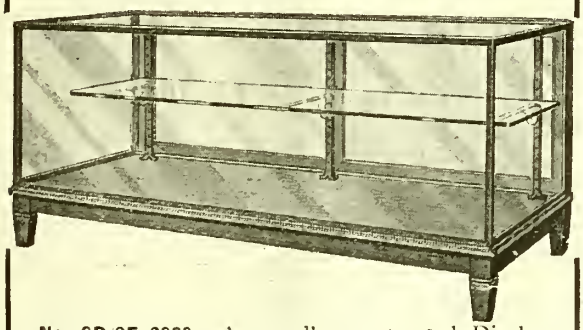
The Brand that does not separate nor crystallize.

Your own name and address on labels. In English jars, etc. Direct from the actual manufacturers.

THE BRITISH DIAMALT COMPANY

SAWBRIDGEWORTH - - HERTS.

GLASS COUNTERS BRING MORE TRADE



No. CD/SF 2920. A soundly constructed Display and Serving Counter made in our own works at Holloway Road—6 ft. × 3 ft. × 2 ft. oak or mahogany framing, glazed new ¼″ drawn plate glass top, front, and ends. Clear glass sliding doors at back. Interior fitted 1 row of shelves 12″ wide, brown bronze bars and brackets.

DEFERRED TERMS.
An initial payment of 18/10 secures this counter, and 11 further equal monthly payments of the same amount make it your own complete property.

£10-15-0
Cash Price. Ex. Works.

Send for our New List No. C.D.1260.

DUDLEY & COMPANY LIMITED
451 HOLLOWAY ROAD, LONDON, N.7
City Showrooms: 65-66 FORE STREET, E.C.

IRWIN'S GOLDEN FOOD PRODUCTS:
16 COLLEGE RD., EASTBOURNE, SUSSEX

Olive Oil Emulsion, without malt - - 3/6
Original Golden Food 1/9
Honey & Almonds - 1/9
Skin Food and Hair Food - - each 3/-
Attractive Containers. Booklets Free

DOCTOR'S ADHESIVE PLASTERS with Zincoxide
THAT DO STICK!
Ask for Price List and Compare
KAYDOR LTD., 30 Howland St., London, W.1
Proprietors of MORFI *Rubber Products*

ERGOAPIOL (Smith)
Protective Mark Patented in U.S. and Foreign Countries.

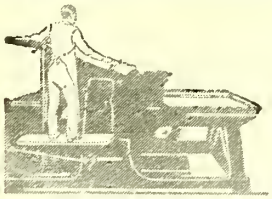
Ergoapiol (Smith) is identified by the letters "M. H. S." raised in the gelatin on the inside of each capsule—thus

Capsule cut in half thru the seam, showing initials.

Capsule intact, showing no mark objectionable to the physician.

[Ergoapiol (Smith) is to be had only in packages of twenty capsules each—never supplied in bulk or other form.]

MARTIN H. SMITH CO., New York, N.Y., U.S.A.

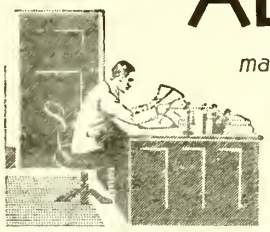


ATTRACTIVE PRINTING

Whether for advertising or packing is essential to the wholesale, manufacturing and retail chemist alike, as an article is so frequently judged by its "get-up" and advertisements.

At any rate it

ALWAYS



makes the first impression and it is all-important that that impression be a good one, therefore use printing which

"GETS THERE"!

Send us your next enquiry and ask for Samples

ALF. HARRISON
& SONS, LTD.
Chemists' & Advertising Printers
BURLEY ROAD
LEEDS

London Office:
Sentinel House, Southampton Row, W.C.1
Telephone: Museum 8340. Also at Dublin and Belfast

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All Grades, including
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in 40 gallon drums only.
White & Coloured Oils
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BEESWAX

Refined Yellow B.P.

POTH, HILLE & CO., LTD.
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METHYLATED SPIRITS
and
FINISH

FINEST OBTAINABLE
PROMPT DELIVERIES

J. M. Mills Ltd
BROOKFIELD DISTILLERY
STOCKPORT
Telephone: Stockport 2396
Telegrams: "Phone Aniline"

PETROLEUM JELLIES

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

WHITE & COLOURED OILS

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

LIQUID PARAFFIN

COLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

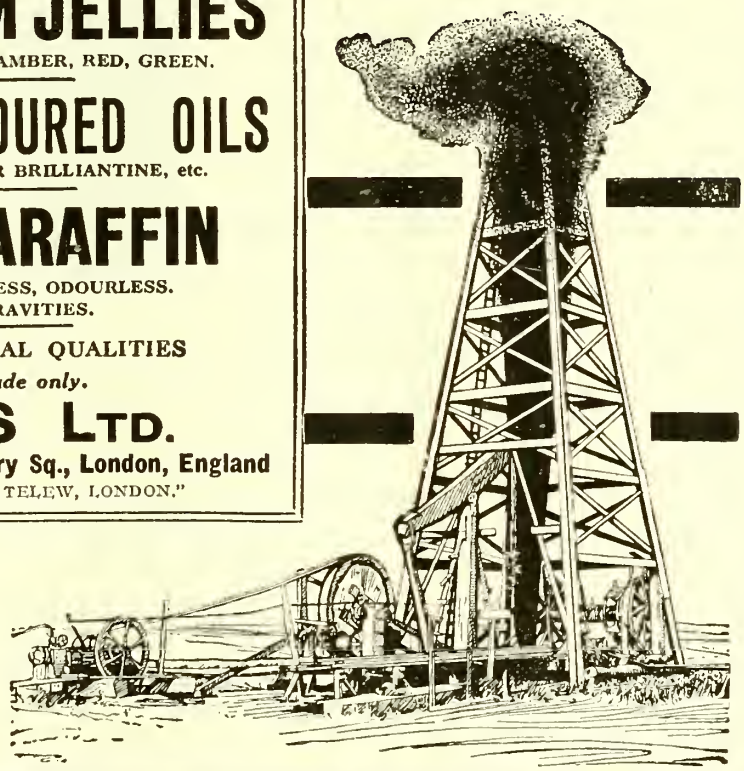
B.P. AND TECHNICAL QUALITIES

Wholesale Trade only.

STERNS LTD.

Royal London House, Finsbury Sq., London, England

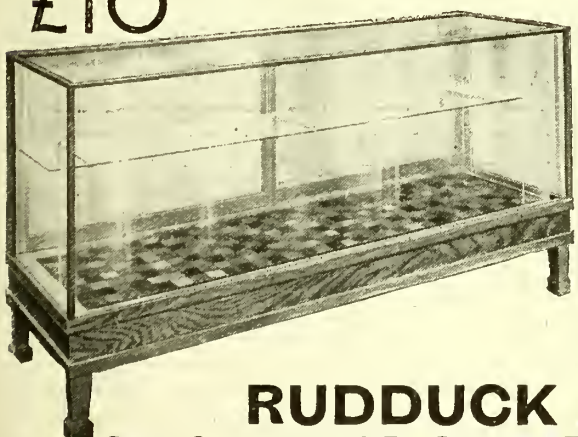
Telegrams: "CENTUMVIR, TELEW, LONDON."



THE BEST VALUE TO-DAY IN GLASS COUNTERS AND SHOWCASES

The 'MARLBOROUGH' Glass Counter, well constructed in oak or mahogany, 6ft. long by 3ft. high by 2ft. deep. Glazed ¼" drawn plate-glass, polished oak parquet floor, fitted glass shelf 12" wide. Sliding doors at back.

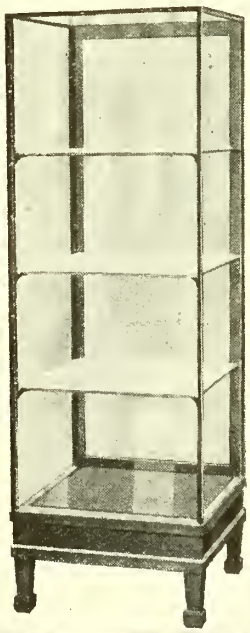
£10



The 'KINGSTON' upright showcase, 6ft. high by 2 ft. wide by 2ft. deep, oak or mahogany frames, oak parquet floor, glazed throughout with ¼" drawn plate-glass and fitted 3 drawn glass shelves supported on movable brackets.

£10:10

Inspect these cases at our showrooms, where we have an extensive display of all types of shop fittings for the chemist.

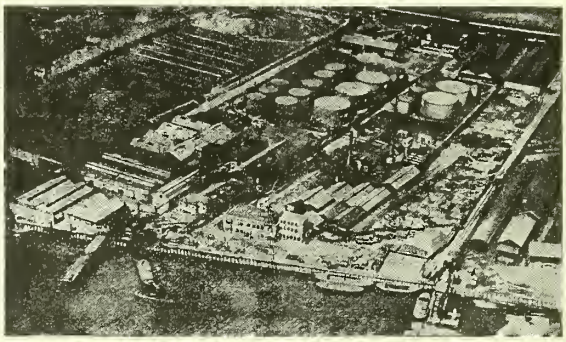


RUDDUCK & CO.

219 & 227 OLD STREET, LONDON, E.C.1

TELEPHONE CLERKENWELL 3171

Enquiries solicited from
MANUFACTURING AND
WHOLESALE CHEMISTS,
PERFUMERY AND COSMETIC
MANUFACTURERS, ETC.
— FOR —
MEDICINAL PARAFFIN B.P.
(*Maximum viscosity*)
TECHNICAL WHITE
and HALF-WHITE OILS,
PETROLEUM JELLIES, etc.

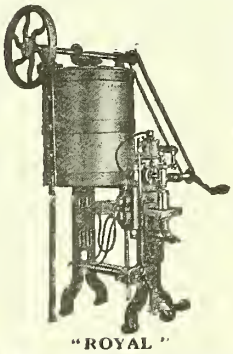

AERIAL VIEW OF OUR SILVERTOWN WORKS

Works also at Manchester

Silvertown Lubricants Limited

WHITE OILS DEPARTMENT
MINOCO WHARF, WEST SILVERTOWN,
Tel.: ALBERT DOCK 1074 (5 lines)
LONDON, E.16
'Grams: VOLUMETRIC, SILVER

Roberts' Original Patent
BOTTLE FILLING MACHINES
The record makers in speed filling with cleanliness. Foot-Operated Machines. From **£5 5s.** Hand-Operated Machines. From **36/-**
Soundly constructed, simple in action, easy to clean.
NEW PATENT SHALLOW TIN FILLING MACHINES

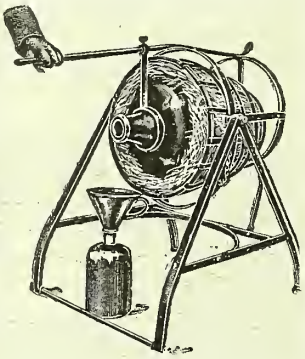

"ROYAL"

Automatic CAN FILLING MACHINES, MIXING MACHINES, CORKING MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

WRITE TO-DAY TO
ROBERTS' PATENT FILLING MACHINE CO.
33 Roundcroft Street, BOLTON, LANCS.
All rights reserved.

CARBOY STAND AND TILTER.
For drawing off small quantities of acids, etc., from Carboys, with ease and safety.
The Carboy can be tipped to any position with one hand.



R. & H. LEIGH & SONS,
LIMITED,
Carboy Hamper Manufacturers,
BOLTON.

DISTILLED WATER
AT
$\frac{1}{3}$d. PER GALLON
By using Brown's Patent Automatic Water Stills pure distilled water may be obtained at the above cost, using steam at any pressure between 30 and 100 lbs. per square inch. The product is pure distilled water, *not* condensed water from steam service pipes.
Full particulars free on application. Enquiries are not followed by personal call.
MADE ALSO FOR GAS HEATING
BROWN & SON, LTD
Alembic Works, Wedmore St., London, N.19

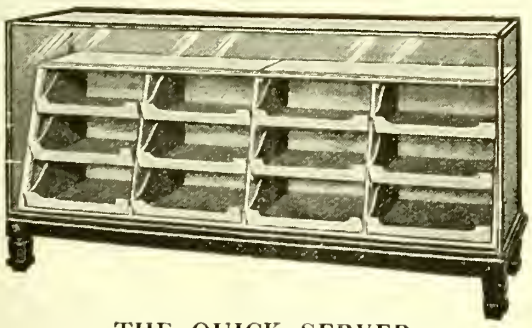
Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

22 Water Street LIVERPOOL. | 523 Salisbury Hse. Finsbury Circus LONDON. | Deansgate Arcade MANCHESTER. | Martineau Street BIRMINGHAM. | Wellington Chambers LEEDS.

RETURN for OUTLAY



THE QUICK SERVER

Ideal for business premises. Mahogany or Oak and Plate Glass. Three rows of light oak trays, opening from back as drawers. Above is a plate-glass shelf accessible by familiar sliding plate-glass doors.

Full illustrated list free on request.

On some goods you doubt that you are getting an adequate return for outlay, on some you are certain, on none can you rely so absolutely as on those things that enhance the attractiveness of your Pharmacy. A well-designed fitting is

An Investment

that brings a perpetual return. It attracts custom, gives status and lasts long after it has paid for the initial cost. We shall be pleased to discuss any shop-fitting problem.

WRITE CALL or PHONE Clerkenwell 2191

Philip Josephs & Sons Ltd.

90-92 St. John Street, Clerkenwell, E.C.1

PHARMACY FITTERS FOR OVER A CENTURY.

Late of OLD ST.

It pays to Concentrate on Advertised goods

LONDON DEPOT:
292 UPPER STREET, ISLINGTON, N.1

FAIRY DYES, LTD., GLASGOW, N.W.

Fairy Dyes

FAIRY DYES

are well advertised in the National Press and Ladies' Journals. They meet with a large and steadily increasing demand.

Sold at the popular price of 2d. per tube retail—attractively packed. 31 shades and colours.

See that your stocks are up-to-date.

A POSTCARD ENLARGEMENT FREE
WITH EACH FILM DEVELOPED AND SIX PRINTS
POSTCARDS 2/6 doz. 4 for 1/-
from any negative or any photograph copied (negative extra). Colour work a speciality.
Less 33⅓% Wholesale Discount
HIGHEST CLASS WORK ONLY
Sole Agency for each Town or District. Fix up now in Front of your Competitor.

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THE
"Owl" Photographic Service
SPOUT YARD, LOUTH, LINCS.

Competition does Not make him blink

BRITISH CASH REGISTERS
Save money and give employment in this country.
Ask for details.
FOUR MODELS

G. H. Gledhill & Sons, Ltd.

Sub. Total and Total Printing

16 TRINITY WORKS HALIFAX ENG

ACTS LIKE A CHARM
FOR RED, ROUGH, CHAPPED HANDS
THE ORIGINAL AND BEST

"Veldt Cream"

1 oz. FIVEPENCE
3 oz. 1 -, 6 oz. 1/9
12 oz. 2/9
WRITE FOR BONUS TERMS TO THE
VELDT LABORATORY
Springfield, Upper Clapton, LONDON, E.5

IT'S FITTING we should mention **FITTINGS**
WHEN WE ARE
DESIGNERS AND ACTUAL MAKERS

Everything in the way of fittings for the modern pharmacy, and all goods of **best quality in material, workmanship and finish.**

Competent fitters sent to all parts.

AYRTON-GRAHAM Ltd., 24 BENSON ST., RENSHAW ST., LIVERPOOL

Do You Know That There Are Over 3,000,000 DOGS in England, Scotland and Wales?

—And Many More Cats?

Get this Big Trade By Stocking

—and that their vast number of Owners are appealed to week after week by large compelling advertisements for SHERLEY Products in both the National and Canine Press. Prices are protected and good profits are ensured. All goods are supplied on terms which eliminate all risk of loss.

SHERLEY'S

DOG & CAT MEDICINES

QUANTITY TERMS
—are available for SHERLEY'S Tonic & Condition Powders and Worm Remedies—now packed on attractive Display Cards. Also for £2 Assorted Parcels.

Full Literature and Sales-Compelling Show Cards are available. Send a Postcard for particulars to:—
A. F. Sherley & Co., Ltd.
18 Marshalsea Road,
LONDON . . . . . S.E.1.

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HARVEY'S

Watts' Embrocation, or Curb Bottle.
Aconite Powders.
Worm & Condition Powders.
Watts' Red Lotion.
Hair-Restoring Ointment.
Edos, or Tasteless Purging Powder.

HARVEY'S

Great Remedies for the Horse

Protected Prices (P.A.T.A.)

HARVEY'S

Koppos Powder.
Parasiticide.
Thrush Specific.
Hoof Ointment.
Skin Specific for Dogs.

Of all the leading Druggists' Sundries Houses
HARVEY & COMPANY, Ltd., Dublin

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected).		Net Wholesale Price
Virus for Rats and Mice, single tube, 2/-	..	15/- per doz.
3 tubes, 5/-		
Virus for Mice only - - single tube, 1/6	..	9/- ,, ,,
3 tubes, 3/-		

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Quart Bottles 6/- each	4/6 each
Pint ,, 4/6 each	3/9 ,,

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33⅓% cash with order.

	Retail	Monthly a/c	Cash with Order
½ gall. tins	10/-	7/6	6/8
1 ,, ,,	18/-	13/6	12/-
5 ,, ,,	80/-	60/-	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)	Wholesale prices per doz.
In tins 3d.	In boxes of 2 doz. 2/1
,, 6d.	,, 1 ,, 3/8
,, 1/-	,, 1 ,, 7/3
,, 2/6	,, 1 ,, 18/-

Danzo Beetle Powder will not deteriorate by keeping.
CARRIAGE PAID ON ALL ORDERS.

To be obtained from
HALLER LABORATORIES, LTD
325 Borough High Street, LONDON, S.E.1
Telegrams: "Virudana, Sedist, London." Telephone: Hop 2717

BIG BUSINESS AHEAD FOR 'ASPRO'

CROWDS WILL BE BUYING 'ASPRO' FROM NOW ON

Now is the time for concentrated 'ASPRO' display. Every chemist who consistently shows an 'ASPRO' window display from now on will reap a rich harvest in sales. It will connect up with the SPECIAL FEATURE SEASONAL ADVERTISING at present appearing in all the leading newspapers throughout Great Britain. The constant changes in weather conditions mean that 'ASPRO' is a necessity in all homes. This necessity becomes your gain. 'ASPRO' sales for the past month have again been a record. Let us suggest that YOU make 'ASPRO' sales from now on a record by featuring 'ASPRO' advertising matter and stickers in your window—it makes all the difference. Sometimes it means trebling your sales.

ADVERTISING MATTER ALWAYS AVAILABLE

We still have a supply of our summer window show, stickers, etc. We will gladly send you a supply on receipt of a postcard. We also have in course of preparation an entirely new window display for the coming autumn.
By the way, do you know that YOU CAN OBTAIN 17 PER CENT. MORE PROFIT BY BUYING 'ASPRO' ON BONUS TERMS?

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.)
SLOUGH, BUCKS. *Telephone: SLOUGH 608*

Made by ASPRO LTD., SLOUGH, ENGLAND

No proprietary right is claimed in the method of manufacture or the formula.

ASPRO REG. TRADE MARK

ORDER 'ASPRO' ON BONUS TERMS FROM YOUR WHOLESALER TO-DAY

[62/26]

HIGHEST GRADE
LOWEST PRICES

British Bromides

Potass· Soda· Ammon

Send for samples and quotations to the manufacturers:

WHIFFEN & SONS LTD.

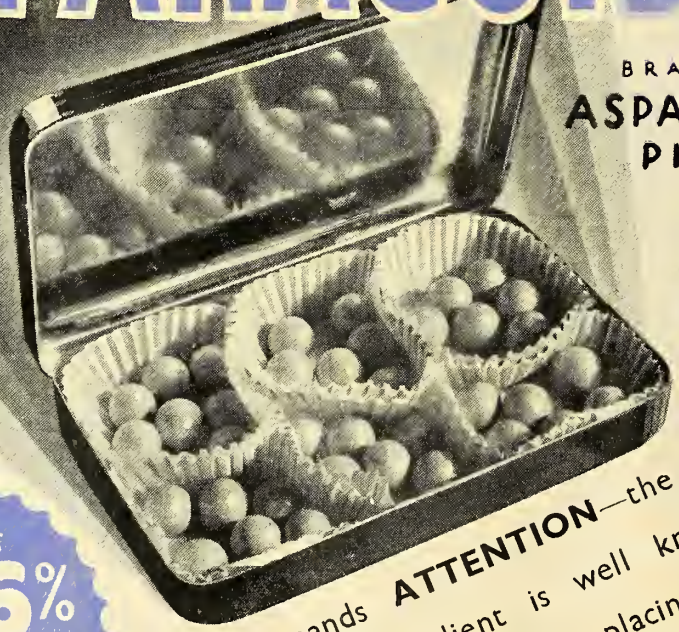
CARNWATH ROAD - FULHAM

LONDON

TELEGRAMS: "WHIFFEN, LONDON" TELEPHONE: FULHAM 0037, 3 LINES

Powerful Selling Points Ensure Ready Sales for

"ASPARAGOIDS"



BRAND OF
ASPARAGUS
PILLS

1/-
Per Tin
Retail.

Showing
136%
PROFIT
5/6 dozen Tins
of 36 Pills

The vivid yet dignified container commands **ATTENTION**—the novelty of the preparation creates **INTEREST**. The chief ingredient is well known, inspiring **CONFIDENCE**. The **PRICE IS REASONABLE**, placing within the reach of all the benefits of a remedy hitherto unavailable for general medicinal use. Take advantage of our introducing **BONUS OFFER NOW** ½ dozen free with every 3 dozen order placed before **November 15th, 1931**

Arthur H. Cox & Co. Ltd.
MANUFACTURING CHEMISTS
BRIGHTON

Printed for the Proprietors by The Avenue Press (L. Upcott Gill & Son, Ltd.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—October 31, 1931.

THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.
LONDON, W.C.2

OCTOBER 31, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are **PREPAID,** so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—**6/-** for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

SITUATIONS OPEN—**6/-** for **40** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

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LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, **1/3** per nonpareil line (12 lines = 1 inch single column). (Box No., **1/-** extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—**10/-** for **60** words; **1/-** for every additional **10** words or less. (Box No., **1/-** extra.)

EXCHANGE COLUMN (for Retailers, etc.)—**Twopence** per word, minimum **2/-**. (Box No., **1/-** extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 lines). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS.

MUST REACH US NOT LATER THAN **FIRST POST THURSDAY MORNING.**

ALL ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone No.: CITY 2283*

May be consulted at their Offices on matters of Sale, Purchase & Valuation

1.—WANSTEAD (Near).—General Retail and Dispensing Business, with small N.H.I.; situate in busy main road; returns this year £2,148; gross profit £850; scope for increase; modern double-fronted shop, well fitted and stocked; rent £150; sub-let £80; long lease; house can be obtained if required; price £500, plus value of stock and fixtures.

2.—MIDDLESEX (Few Miles Out).—Family Retail and Dispensing Business, N.H.I. and Kodak Agency; returns last year £1,860, with net profit £450; double-fronted shop; stock worth £400 and fixtures £300; five-roomed house with bathroom; rent £100 per annum; long lease; price asked £1,150.

3.—LONDON, W.—Suburban Cash Retail Business; Kodak Agency; returns £1,750; scope for increase; at present conducted under management; stock and fixtures £650; small living accommodation; bathroom; rent £110; price £1,000, or valuation terms entertained.

4.—LONDON, W.C.—General Retail Business, with Kodak Agency; returns about £35 weekly; well-fitted double-fronted shop; six-roomed house and bathroom; rent £225; sub-let £120; 16 years' lease; price £1,000, of which sum £200 can remain.

5.—CITY PHARMACY.—Cash Retail Business; returns £4,000 per annum; very well-fitted shop; modern stock; held on lease at reasonable rental; further details on application.

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7.—SOUTH LONDON.—Middle-class Retail Business, with small N.H.I.; Kodak Agency and good D. & P.; returns last year £1,545; net profit 28 per cent.; single-fronted shop; stock and fixtures worth £550; rent £60; sub-let 24s. weekly; price £875, lump sum or offer.

8.—SOUTHERN CITY.—High-class Family Retail and Dispensing Business, with Kodak Agency and small Optical; returns last year £2,560, with net profit £550-£600; double-fronted shop; good living accommodation; rent £160; long lease; terms £700, plus value of stock and fixtures.

9.—KENT (Death Vacancy).—Middle-class Retail and Dispensing Business; very old established; returns exceed £2,000 per annum, under management; stock and fittings estimated to be worth between £1,000 and £1,200; lock-up pharmacy; freehold must be purchased; price of business £1,500, or offer; or valuation terms entertained.

10.—SUSSEX.—General Retail and Dispensing Business for disposal; 21 years' lease at £160; established 1835; situate in busy thoroughfare; excellent prospects; price for quick sale £1,200; full details to genuine purchasers.

11.—LINCS.—General Retail Business, with Kodak Agency, situate in the main street of an imposing modern town; established 100 years; returns approximately £2,600 per annum; net profit £600; large house, with side entrance; rent £150, rising to £175; long lease; price to be agreed.

12.—SOUTH OF ENGLAND.—Wholesale Business dealing with Toilet Requisites and Proprietary Articles; established many years; vendor retiring; returns over £7,000 per annum; net profit about £700; convenient premises, the freehold of which may be purchased if required; full particulars on application.

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14.—NORFOLK.—Country Retail Business, with Wines and Spirits; established 80 years; returns last year £2,108; large shop and living accommodation; price required for business £1,200; further details on application.

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(C4) LONDON, NORTH.—Established business doing approximately £2,000 per annum; small N.H.I.; good photographic trade; inclusive rental, £160; sub-let £182; good scope for increase.

(C5) HAMPSHIRE.—High-class family retail and dispensing business (not coastal); returns for 1930—31, upwards of £2,500; net profits approximately £550; excellent living accommodation; owner moving solely on account of family reasons. (Visited and recommended.)

(C6) LINCOLNSHIRE TOWN.—Good class retail business doing over £50 weekly; net profits approximately £550 per annum; good living accommodation; long lease; reasonable purchase price. (Visited and recommended.)

(C7) NORTH MIDLANDS.—Recently established pharmacy occupying leading position in centre of small market town; owner disposing solely on account of unforeseen domestic circumstances; average turnover £35 to £40 weekly; returns for last week exceeded £60; moderate rental; 21 years' lease; exceptional opportunity. (Visited and recommended.)

(C8) SOMERSET.—Retail and dispensing business, with property situated in small country town; turnover approximately £1,900 per annum; low overhead charges; entirely unopposed. (Visited and recommended.)

(C9) SOUTH-EAST MIDLANDS.—Excellent profit-making business with certified returns for the past three years upwards of £2,200 per annum; net profits approximately £550; easily worked; good living accommodation. (Visited and recommended.)

(C10) SURREY.—Pharmacy, well situated in busy trading centre; double-fronted premises with good living accommodation; returns for last three years exceed £2,250 per annum; freehold premises also for disposal, on which a mortgage can be arranged if desired.

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(C13) EAST KENT.—Unopposed country business situated among delightful surroundings; returns upwards of £30 weekly; freehold property also for sale; including charming house with garage and lawn tennis court; admirably suited to lover of country. (Visited and recommended.)

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(C16) TEES-SIDE.—Good retail and dispensing business; present turnover approximately £1,750 per annum; net profits, £480; good living accommodation; rent, £110 on lease; bona fide reasons for wishing to dispose. (Visited and recommended.)

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BUSINESS wanted, showing net profit of not less than £750/£850; living accommodation preferred; also a locality near London or in the southern portion of the country. Send fullest particulars confidentially, and reason for selling. 66/17, Office of this Paper.

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WANTED, Cash Retail Chemist's Business taking approximately £40 per week; Lancashire, Yorkshire or North preferred, but not essential; Optics not objected to; moderate rent; good lease; cash ready for genuine concern. Please give full particulars (in confidence) in first letter. 66/8, Office of this Paper.

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LONDON, S.W.—Lady Assistant, with Hall qualification, required for high-class pharmacy; quick and accurate Dispenser, with Counter experience. Apply, giving full particulars, to Barnetson (Chemists), Ltd., 22 Streatham High Road, S.W.16.

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LONDON, E.C.—Qualified Dispenser, N.H.I., wanted; suit elderly man; salary £3 weekly; no Sunday duty; early closing Thursday; copies only of references to be sent; no photographs. Apply 66/10, Office of this Paper.

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A QUALIFIED Chemist, 23, reliable, seeks situation; London, Midlands or South; 8 years' good and varied experience in all branches; able to manage; well recommended. "M.P.S.," 35 Dulverton Road, Leicester.

A QUALIFIED Manager, or Senior, 29, 5 ft. 10 in., experienced all branches working, middle-class businesses, desires engagement; well recommended. "Scotia," 202b Dunstan's Road, E. Dulwich.

ACTIVE; unqualified; experienced; middle-aged; reliable Dispenser; Stock; successful Manager; Locum, permanent. Fletcher, 91 Duncombe Road, Holloway, N.19.

ADVERTISER, 29, qualified, married. 12 years' all-round experience, desires engagement immediately. "Chemist," 4 Walmsley Road, Broadstairs.

ADVERTISER, 39, unqualified, desires progressive post; 20 years' experience, including London and South Coast; competent Dispenser, Window-dresser and Salesman; first-class references; disengaged. "Statim," 17 Park Avenue, Leicester.

AS Locum or temporary position; part time entertained; qualified; 33; experienced Manager and Assistant; excellent references. 'Phone: Rodney 2719. "Chemist," 50 Grove Lane, Camberwell, S.E.5.

ASSISTANT; unqualified; 23; good experience in all branches. Moverley, 124 Stockwell Park Road, Brixton Road, S.W.9.

ASSISTANT; unqualified; 22; accurate Dispenser; quick Counter and Photographic experience; good references; disengaged. Bareham, 40 Jerningham Road, London, S.E.14.

ASSISTANT, unqualified, 25, London and provincial experience, seeks permanency; enthusiastic; all-round man. "L. C.," 3 Hammet Street, Taunton, Somerset.

ASSISTANT, married, seeks berth in or near South-West London with employer who is prepared to pay a living wage; accustomed to quick Counter trade, N.H.I., Photography and Window-dressing; free end of this month. "Londoner," 63/40, Office of this Paper.

ASSISTANT, unqualified; high-class experience in Dispensing, Counter, Photographic and Windows; highly recommended Dispenser. Dakin, 335 Derby Road, Lenton, Nottingham.

ASSISTANT, unqualified, seeks change, preferably with Optical experience, but not essential; fully experienced all branches; excellent references. 65/20, Office of this Paper.

ASSISTANT, unqualified, desires post; Dispensing, Counter, Photo, Toilet, etc.; references; moderate salary. Apply "Zingiber," 64/20, Office of this Paper.

BRIGHTON-LONDON.—Qualified requires progressive post; young; energetic; moderate salary; good references. Newman, 142 Queen's Park Road, Brighton.

CAREFUL, neat, reliable, and trustworthy, qualified, West End experience, seeking position in London. Evans, 6 Brief Street, S.E.5.

CHEMIST-OPTICIAN, M.P.S., F.S.M.C., F.B.O.A., with London and J.C.Q.O. experience, tall, 22, requires permanency; good references; moderate salary. C. H. Jenkins, 173 Bute Street, Treherbert, Glam.

CHEMIST; qualified; 41; best experience; Manager or Superintendent limited company; temporarily; Locum entertained. Hughes, 42 Lozells Street, Birmingham.

COMPETENT; unqualified; tall; Scot; 20 years' first-class experience, Dispensing, Photo, Counter; seaside, country, London; highest references; disengaged; permanency. Johnstone, 3 Babington Road, Streatham, S.W.16. 'Phone 1087.

COMPETENT Pharmacist (lady) desires engagement; 16 years' Retail experience; smart Window-dresser, neat Dispenser, good Saleswoman; moderate salary; excellent references; disengaged. "M.P.S.," 33 Lancaster Road, Stroud Green, N.4.

EXPERIENCED; reliable; qualified; 27; London and suburbs experience; available at once; any district. 4 Gt. Elms Road, Bromley, Kent.

EXPERIENCED Pharmacist seeks a permanency; any capacity; references good; now disengaged; salary £3 per week, outdoors. 64/33, Office of this Paper.

EXPERIENCED, qualified Manager, 29, married, desires change from large London pharmacy to one situated South of Thames (no optics or agricultural) where ability and interest is repaid by permanency and reasonable remuneration; a management with view to succession in a few years entertained. 66/20, Office of this Paper.

FREE.—Unqualified Assistant; Counter, Dispensing and Window-dressing; experienced; trustworthy. Tuck, 71 Wellesley Road, West Croydon, Surrey.

JUNIOR, qualified, requires experience in good-class business, preferably employing one or more senior assistants. S. T. Grant, Station Road, Taunton.

JUNIOR Assistant, 21, seeks situation; 6 years' experience good-class Dispensing and Counter. Cooper, Telephone Bungalow, Fordcombe, Kent.

JUNIOR Assistant, 21, seeks situation, anywhere; general experience, Dispensing, Photography; approved Window-dressing; excellent reference; honest and trustworthy. Write George Pickstock, 4 Albert Place, Northwich, Cheshire.

LADY, 24, unqualified, experienced Counter and Window-dressing, no dispensing, requires post in London; N.W. district preferred. "A.," 21 Granville Road, N.W.2.

LADY, passed Part I, desires position; permanency or Locum; good Dispensing and Counter experience. Spence, 18 Longley Road, Tooting. 'Phone: Streatham 5760.

LADY M.P.S. (25), now disengaged, for Locum or permanent post; highly recommended and accustomed to sole charge of high-class business. 'Phone: Ealing 4063. Harris, 8 Kerrison Road, W.5.

LADY Dispenser-Book-keeper (Hall) requires evening post, Doctor, Chemist or Institution; seven years' excellent all-round experience, including N.H.I. Dispensing. "H.," 25 Sisters Avenue, Clapham Common, S.W.11.

LADY (Hall), thoroughly experienced, Dispensing, Counter, Book-keeping, approved Window-dressing, requires post with good-class Chemist. 66/19, Office of this Paper.

LOCUM; full- or part-time; excellent references. "S. S.," 135 High Road, Lee, S.E.13.

LOCUM or Relief; qualified; all-round experience; reasonable terms. H. Rennard, Halton, Leeds.

MARRIED couple, one qualified, desire to offer their joint services; would manage branch shop, anywhere, with or without view to succession; good experience; salary £6 or near. 65/34, Office of this Paper.

M.P.S., 25, desires situation, temporary or permanent; nine years' sound experience in Scotland and Midlands; references supplied; disengaged. Ross, 35 Buchan Street, Macduff, Banffshire.

M.P.S., 24, as Assistant or Manager; Locum or permanency; keen; energetic; reliable; highest credentials. Leigh, 27 Highbury Grove, Highbury, N.5.

M.P.S., lady, 26 (Scot), desires post as Manageress or Assistant; good all-round experience; London preferred. 63/17, Office of this Paper.

M.P.S. (male), 23, tall, requires position in good-class Pharmacy, London, W., S.W. or suburban; first-class experience in all branches; expert knowledge of Photography; good references; free. Osborne, 276 Nelson Road, Whitton, Twickenham.

M.P.S., 23, desires post in good-class pharmacy in city; distance no object; thoroughly competent all branches pharmacy; well recommended. "Pharmacist," 14 Bexley Mount, Harehills, Leeds.

NEWCASTLE-ON-TYNE.—Qualified, 23, seeks position as Manager or Assistant; tall; smart appearance; all-round experience; tactful Salesman; excellent references; North England preferred: free October 2. 65/37, Office of this Paper.

PHARMACY-TRAINED Assistant, lady (Hall); over seven years' London and first-class experience; highest references. "M.," 20 Denbigh Road, W.11.

QUALIFIED; married; 12 years' experience; Assistant or Manager; London preferred. "R. W. G.," 218 Woodmansterne Road, Streatham. 'Phone: Pollards 4212.

QUALIFIED, 26, excellent experience, company and private pharmacy, desires post in the North; competent and can be trusted. Mortimer, 190 Reads Avenue, Blackpool.

QUALIFIED; permanency; good reference; 10 years last service. "W.," c/o Stephens, 109 Newtown Row, Birmingham.

QUALIFIED; Manager; experienced; quick, accurate Dispenser; good Window-dresser. "T.," 27 Crouch Hill, N.4.

QUALIFIED; experienced; excellent references; at liberty Wednesdays, Sundays and during day time from 9 a.m. to 5 p.m. Bagnall, 24 Austin Drive, Didsbury. Tel. 5321.

QUALIFIED man, 25, M.P.S., F.S.M.C., J.C.Q.O., seeks responsible position; 8 years' sound Pharmaceutical experience; would like to further Optical experience; salary moderate. Sharp, 137 High Street, Ponders End.

QUALIFIED Chemist; 22; 5 ft. 10 in.; well experienced in quick, heavy Dispensing and Photographic work (dark room); capable Window-dresser; references; any district; North preferred. Walmsley, Highfield House, Much Hoole, Preston, Lancs.

QUALIFIED; 22; good appearance and address; energetic; excellent Dispenser, Salesman and Window-dresser. Cook, Hammersley Lane, Loudwater, Bucks.

QUALIFIED, 27, 10 years' all-round experience, seeks position as Senior Assistant; London preferred; interview appreciated. P.C.B. 9/35, Office of this Paper.

QUALIFIED; experienced; Counter, Dispensing and Photographic; disengaged; excellent references. "M.," 2 Manor Gardens, Larkhall Rise, Clapham, S.W.4.

QUALIFIED; smart; capable Manager or Assistant; in forties; business builder; 11 years present post, 8 branch manager; disengaged November 28. E. A. Lenton, Hunstanton.

QUALIFIED, age 23, desires permanency; anywhere; 8 years' all-round experience. E. Haley, M.P.S., 31 Fairfield Road, Morecambe.

QUALIFIED Assistant (lady, 23) desires position within reach N.W. district; good experience. "H. D.," 1 Hopefield Avenue, Brondesbury Park, N.W.6.

QUALIFIED; locum or permanency; excellent references; good all-round experience; at liberty. Leach, 29 Carleton Street, Beechcliffe, Keighley.

QUALIFIED Chemist desires easy permanency; excellent varied experience, West End and provinces; elderly; active; good personality; small salary; highest references; Home Counties preferred. Parker, 80 Denman Road, Peckham, S.E.

QUALIFIED Chemist, 21, desires position in South of England; permanency; excellent experience in Dispensing, etc.; good references. Martin, Chemist, 37 Market Place, Salisbury.

QUALIFIED Manager, 35, all-round experience, seeks situation, town or country; free. Catt, 5 Chelsham Road, S.W.4.

QUALIFIED; 24; good seaside and town experience; Dispensing, Counter, Windows, Developing and Printing. Bartley, 10 Chester Road, Southwold.

QUALIFIED Man (22) requires post as Dispenser. Kirk, 2 St. Mark's Avenue, Harrogate.

QUALIFIED Lady (21) desires temporary or permanent post; good Dispensing experience. Simmonds, Glenville, Frampton Cotterell, near Bristol.

QUALIFIED Manager; experienced all branches: disengaged through sale of business; excellent references. Dunning, 53 Stanfield Road, Bournemouth.

QUALIFIED; 23; male; South-East area preferred; moderate salary; energetic and trustworthy; good references; free when suited. 65/21, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

QUALIFIED lady requires post immediately; good Dispenser and able to take full charge. Particulars, 65/14, Office of this Paper.

QUALIFIED Chemist and Optician, 32, seeks a temporary or permanent engagement, preferably in the West of England. 64/22, Office of this Paper.

REQUIRED immediately post as Junior Dispenser and Counter-hand (lady); 4 years' experience in Family business. Apply Fallows, 62 Corn Market, Warwick.

SMALL salary accepted by elderly qualified Chemist for permanency with living accommodation; abstainer; good references; well recommended; disengaged. 64/37, Office of this Paper.

SMART Assistant; unqualified; 25; London, City, provincial experience; Dispensing, Salesmanship, up-to-date Window-dresser, Photographic, Surgical, Practipedics; eye to business; good references; honest and trustworthy; take charge; height 6 ft. 1 in. Jolliffe, 32 St. Mary's Road, Canonbury, London, N.1.

STUDENT, 25 (Part II), desires week-end engagements; Welshman; London and provincial experience. Phillips, 6 Eland Road, Lavender Hill, S.W.11.

UNQUALIFIED Scot, 22, disengaged, well trained in all branches, excellent Dispensing experience, desires situation in London or Eastern suburbs. Stephen, 51 Earlham Grove, E.7.

UNQUALIFIED; 24; first-class Dispensing experience, City, West End and country; good references; disengaged. C. Hunter, 7 Redburn Street, S.W.3.

UNQUALIFIED; 20 years' experience, Dispensing, Counter, Photographic; disengaged; Locum accepted. Harris, 8 St. James Street, Newport, Isle of Wight.

WOMAN, M.P.S., also Diploma Advertisement Writer, requires post where these qualifications are needed. "Pharmacist," 252 Elgin Avenue, W.9.

WORTHING-BRIGHTON DISTRICT.—Unqualified Assistant seeks post; smart appearance; first-class experience; accurate Dispenser; salary secondary consideration. "Assistant," 74 Marlowe Road, Broadwater.

YOUNG lady desires situation in London as Counter Assistant; excellent references; free immediately. "T.," 50 Strode Road, S.W.6.

YOUNG Chemist, with exceptional capabilities, desires post immediately; first-class references; low salary. Doyle, 16 Lancaster Place, Blackburn.

YOUNG lady desires post in Dispensing; Hall qualification; good worker; Brighton or within reasonable distance. 9 Prestonville Road, Brighton.

WHOLESALE.

A.A.A.—CHEMIST, large connection amongst Chemists, South of England, wishes to represent good house; own car. 63/29, Office of this Paper.

A REPRESENTATIVE, experienced, with large connection London and suburban Chemists, Hairdressers, etc., requires engagement with a good house. 66/11, Office of this Paper.

A WELL-KNOWN Representative, assured personal connection Lancashire, Yorkshire, Cheshire, etc., offers services to established house; highest credentials. 64/21, Office of this Paper.

ASSISTANT, with 9 years' Retail experience, desires situation in Wholesale; representation or inside; excellent references. 63/10, Office of this Paper.

CHEMIST'S daughter, 20, seeks post with reputable firm; Public School education, with secretarial training; knowledge French and Spanish, commercial correspondence, shorthand and typewriting; nominal salary. 65/30, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

CAPABLE, energetic, 28, wishes to represent reputable House in London area; twelve years' high-class Retail experience. 65/40, Office of this Paper.

COUNTER work, D.D.A. Stocks, Records, Wets, Drys, Poisons, etc.; long experience, Wholesale and Retail. "Rhei," 37 Brunswick Road, N.15.

FIRST-CLASS Representative, with prize records and connection Southern Counties, desires post with house of repute; Drugs or Toilet. 63/27, Office of this Paper.

GENTLEMAN open to take up exclusive line all-British Toilets; ground, Yorkshire. Apply "Traveller," Benalder, Priory Crescent, Bridlington.

MANUFACTURING Chemist, long experience producing for well-known British and American firms on Continent, full knowledge of factory routine, plant, staff control, propaganda and distribution, open to undertake similar work in England; excellent credentials. Write 63/28, Office of this Paper.

QUALIFIED Chemist, 32, resident near Bath, is open to represent a Manufacturing or Wholesale Firm in the West of England. 64/220, Office of this Paper.

REPRESENTATIVE, Toilet and Beauty Preparations, desires change; excellent connection with best Chemists, Hairdressers and Stores; London and suburbs; young; own saloon car; salary, commission and expenses. P.C.B. 9/38, Office of this Paper.

SOUTHERN and Western Counties.—Advertiser, thoroughly experienced, requires full-time position well-known House; Drugs, Proprietaries; own car. 65/17, Office of this Paper.

TABLET Maker and Coater; disengaged; thoroughly experienced in all processes and up-to-date methods; good references. "Tablets," 73 Clondesley Road, Barnsbury, N.1.

WORKING Foreman, young, seeks situation; 20 years' good all-round experience; Manufacturing Pharmaceutical and Toilet Preparations, etc. "L. B.," 51 Farmilo Road, Leyton, E.17.

WORKS PRODUCTION.—Manager/Organiser (27), experienced mass manufacture and packing Soaps, Toilets, Powders, etc., Cardboxes, Printing; can increase efficiency and devise new methods, products and packs. BM/COBY, London.

YOUNG man, active, ambitious, desires situation, any capacity, Manufacturing Chemist and/or Perfumer; thorough experience manufacture Therapeutics, Perfumes, Cosmetics, Toilets; would invest up to £350 any genuine concern open to investigation. "Solvol," 10 Cathedral Road, Cardiff.

YOUTH requires situation in Manufacturing or Wholesale Chemist and Druggists; age 19. Apply J. Goswell, 138 Peabody Buildings, Stamford Street, Blackfriars.

COLONIAL, INDIAN AND FOREIGN.

YOUNG Pharmacist, age 23, desires a position on the Riviera for winter season. S. A. Rhodes, Heanor, Derbyshire.

FOR SALE.

DISPENSING Screen, Wall Case, Counter, Mirrors, and other appurtenances, etc.; practically new. "Pharmacist," 28 Inchmery Road, S.E.6.

PHARMACY Fittings; must clear out by November 15 at huge sacrifice; urgent. 64/17 Office of this Paper.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BARGAINS IN SECOND-HAND AND SHOP-SOILED FITTINGS.—Drug Fittings, Wall Cases, Counters, Dispensing Screens and Counter Cases. Write your requirements or call at PHILIP JOSEPHS & SONS, LTD., 90/2 St. John Street, Clerkenwell, E.C.1. "Pharmacy Fitters for Over a Century."

CHEMISTS' FITTINGS, in light oak, 14 ft. Drug Section, with 48 drawers, 10 ft. Wall Case, 12 ft. glass-fronted Counter, 6 ft. Dispensing Screen, etc.; must be sold. WALKER, 532 Scott Hall Road, Leeds.

MANUFACTURERS!

TAKE NOTICE

NOW FOR INCREASED SALES IN THE HOME MARKET

British goods, now at keenly competitive prices, are assured of a growing demand in the markets of the world. But, if you cannot sell your goods at Home, your chances in the foreign markets can be valued at NIL.

Are YOU getting your Full Share of the Home Market? If not, you cannot afford to let this opportunity pass you by. Well-known Agent requires several leading advertised Toilets and Proprietaries, &c., which *must*, however, be the products of first-class firms only. Complete office organisation, and travelling staff (8 representatives), will be at the disposal of the products, and whether old or new lines, a guaranteed turnover is assured, with a much better distribution and sales service than you now obtain, backed by intensive working and propaganda. Showrooms available. Stocks kept if necessary. Territory covered: Great Britain. Whatever your requirements, you must write for full particulars of this **exceptional opportunity**, which will increase your present output, and maintain a sales-record you have never equalled.

THINK THIS OVER. REALISE WHAT REAL REPRESENTATION MEANS TO YOU. CUT YOUR COSTS. KEEP YOUR FACTORY RUNNING ON FULL TIME, AND INCREASE YOUR SALES.

YOU WANT BUSINESS EXPANSION AND PROSPERITY.
I WANT THE SOLE AGENCY OF YOUR PRODUCTS FOR GREAT BRITAIN.

Reply, giving full particulars, to 193/846 *Office of this Paper.*

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' MAHOGANY FITTINGS.—Complete Drugfittings, 14 ft., 12 ft., 10 ft. and 8 ft. long, 8 ft. 6 in. high; Wallcases, 10 ft., 8 ft., 7 ft. long, 8 ft. 6 in. high; Glass-front Counters, 12 ft., 10 ft., 8 ft. and 7 ft. long; one Wallcase, 4 ft. 6 in. wide, 7 ft. high, 1 ft. deep; Dispensing Screens, 7 ft., 6 ft. and 5 ft. long; two 4 ft. Nests Counter Drawers; low prices to clear; sketches by return. GEORGE COOK, The Working Shopfitter (over 40 years experience), 27 Macclesfield Street, City Road, E.C.1. Clerk. 5371.

WHY should a Chemist go to the expense of a New Shop Front and Smart Interior Fittings? Surely the primary object is to attract public attention with a view to increasing his sales. Let us submit an Estimate for your New Shop Front. We have a fine stock of Smart Interior Fittings to select from suitable for any shop. Buy now and take advantage of present stocks. RUDDUCK & CO., 219 and 227 Old Street, London, E.C.1.

CLEAR OUT—your Old or Damaged Stock of Photo Goods
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

ALL MANAGERS & QUALIFIED ASSISTANTS
should join at once
THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS
(incorporating the National Association of Chemists' Assistants)
BENEFITS: Trade Protection—Legal Aid—Unemployment Benefit—Free Use of Employment Bureau.
Write for particulars—ARTHUR J. GILLIAN, Gen. Sec.
149 NEWINGTON CAUSEWAY, LONDON, S.E.1

EXCHANGE COLUMN.

2d. per word: Minimum 2s. (Box No., 1s. extra.)

FOR DISPOSAL.

KODAK COUNTER ENLARGER DEMONSTRATOR, as new, cost £3 15s., accept 35s. Morgan, Photographer, Chesterfield.

FOUR fine 8-gallon Carboys; handsome cut stoppers; must be sold; best offer accepted. 63/30, Office of this Paper.

SMALL CASH TILL for Sale, with latest paper roll, adding wheels, etc., mahogany finish, and in fine working order; "National" make. Write C. Marshall, 57 Richmond Park Road, Kingston-on-Thames.

WANTED.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including B.P., Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books, Materia Medica Collections.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

THE SUPPLY OF SUPPLEMENTS

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped ONE PENNY, to ensure prompt delivery

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LOOSE STAMPS WILL NOT BE ACCEPTED.

Printed for the Proprietors by The Avenue Press (L. Upcott Gill & Son, Ltd.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—October 31, 1931. [74/26]